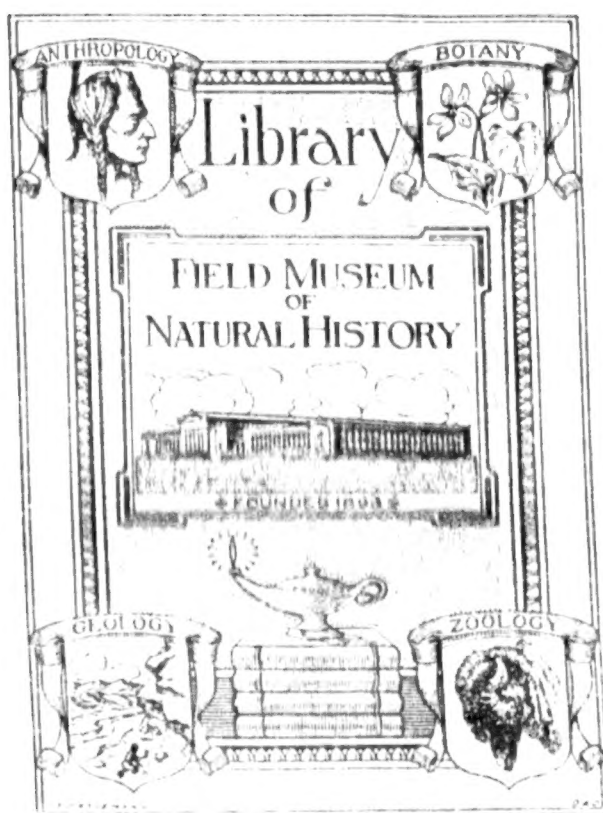


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AN INDEX TO THE ACARINA COLLECTIONS OF THE WORLD

(TO THE FAMILY LEVEL)

John Kethley, Ph.D. (Editor).

**Associate Curator of Insects, Field Museum of Natural
History, Chicago, Illinois 60605**

and

**Consultant, Medical Zoology Department
United States Naval Medical Research Unit Number Three,
Cairo, Egypt**

Special Publication

January 1979

**United States Naval Medical Research Unit Number Three
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No. 56 page 46: "Trombiculidae collections."

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PREFACE

Biologists of all classes are dependent upon systematic specialists for the identification and classification of organisms. Both experimental and applied practitioners recognize that knowledge of their biological subjects is as important to them as is familiarity with their equipment, techniques, and modes of interpretation. To systematists, collections are the sine qua non.

In making an identification a systematist usually relies on his previous experience to guide him to the most appropriate recent monograph. In the monograph: keys, descriptions or illustrations will be used to provide a tentative identification for the specimens in question. To make a positive identification the unknowns must be compared to identified specimens and found to be conspecific with them. If suitable identified specimens are in the specialists collection confirmation can be quickly made. If not, references in the monograph can be consulted to determine the location of identified material. Arrangements can then be made for the necessary comparisons.

The publication of Index to Acarina Collections will greatly facilitate work on Acari by making it easier for identifications to be based on proper comparisons. It will also serve as a guide to systematists for the development of more complete and thus more useful collections by means of exchanges of identified material.

I congratulate Dr. Kethley for this splendid contribution to Acarology. Like its companion Acarologists Of The World I predict it will be so helpful that frequent revisions will be demanded.

G. W. Wharton
Professor Emeritus
Acarology Laboratory
Department of Entomology
The Ohio State University
Columbus, Ohio 43210

INTRODUCTION

The present work was conceived as an extension of the Directory of Acarologists of the World. The purpose is to facilitate communication among new as well as established students of the acari in locating type material and in uncovering large units of unworked material.

The information contained in this index is primarily derived from two sources: individual responses to questionnaires sent during 1970-72, and Acarologists of the World, 9th edition.

The initial mailing list was generated from Acarologists of the World with the assistance of Drs. D. E. Johnston, R. D. Mitchell and G. W. Wharton. This questionnaire contained an explanatory cover letter, a tabular listing of the families and higher categories of acarina, and a list of all individuals and institutions included in the survey. The list of participants was expanded for a second mailing to gather information about collections I had overlooked, and was based upon data provided in the responses to the initial mailing. A repeat mailing was sent in February, 1972 for individuals not responding to the initial mailing. For some collections a detailed report was not available, but information was taken from Acarologists of the World to indicate the general nature of the holdings. Information supplied by the participants facilitated the correction of omissions and errors in the taxonomic listing of acarine groups as well as the up-dating of addresses.

One of the goals in the preparation of this index was to organize information about the location of historically important collections. The general response to the questionnaire was quite good, but I was unable to ascertain the location of the A. A. Zackhvatkin collection or even determine whether or not it still exists. It is rumored to have been destroyed.

The index contains information to the family level only. It should be noted that the holdings for the various families is relative, not only in terms of the actual amount of material, but also in terms of the nature of the material (type, determined non-type, and undetermined material). Thus, holdings of only a few species that were represented by the holotype, even in a very large family, warranted inclusion. Entries indicating determined non-type material or undetermined material were made in relationship to the size of the family. Thus, material representing only a very few determined species of a very small family would be included, whereas material representing a small number of determined species in a very large family, may have been omitted by the participant.

In most cases, the entries indicating the holdings of a given collection were submitted to me by the respective participants. In a few instances, a list of determined species was sent to me, and I used my own discretion in compiling their holdings.

Although most entries are at the family level, it should be noted that the entries with the higher categories have very different meanings depending upon the nature of the material. An entry indicating type material or determined non-type material of a superfamily or higher category means that

all families of that group are represented in the collection. Thus, the total space devoted to the acarine holdings of the British Museum (Natural History) page 35, is small, but the collection is extraordinarily rich in type material. However, in contrast an entry indicating undetermined material of a superfamily or higher category means that the material has not been identified to the family level.

The scheme of classification used follows that of Johnston (1968) for the higher categories, Krantz (1970) for most of the superfamilial clusters, and Viets (1961), Cook (1963, 1967) and Smith (1972) for the Hydrachnellae.

Although numerous works have been published concerning procedures in taxonomy, there is some disagreement among the authors regarding the terminology applied to type material. Many authors have used the terms primary, secondary, tertiary, and supplemental types, while others (Mayr, Simpson) do not. Among those using the terms primary, secondary, etc., type, all have considered the holotype and lectotype to be primary types. There is some disagreement as to what constitutes other type material.

In addition to the holotype and lectotype, Blackwelder considers the neotype to be a primary type; syntypes (cotypes), paralectotypes to be secondary types; paratypes and allotypes to be tertiary types. Richter also considers the neotype and cotypes to be primary types, but regards paratypes and hypotypes to be secondary types. Schenk considers the neotype, syntypes and paratypes as primary types, but reserved secondary types for hypotypes, topotypes and homeotypes. Fernald and Mayr, Linsley and Usinger agree in considering allotypes, paratypes, and syntypes (cotypes) as primary types, but consider the neotype and plesiotypes to be supplemental types.

In the present work, I have used the term primary types to include the following: holotype, lectotype and neotype. The term secondary type(s) is used to cover the following: syntypes (cotypes), paratypes, allotypes and paralectotypes.

I realize that this index has many shortcomings in terms of content and format. Any listing of acarine taxa will be out of date, even in the process of compilation. In the preparation of this listing, I have undoubtedly overlooked some collections. However, no such listing is available at present, and it is hoped that this index will prove useful to acarologists and that it will promote the development of more detailed works by specialists in the future, perhaps at the generic level.

The opinions and assertions contained herein are the private ones of the editor and are not to be construed as official or as reflecting the views of the Department of the Navy, or the naval service at large.

John B. Kethley
Chicago
February 15, 1973

POSTSCRIPT

After this index was prepared, several noteworthy works have appeared that represent substantial progress in our understanding of acarine higher categories. Unfortunately, it is not possible to incorporate these nomenclatural revisions here, due to space constraints. The reader should consult Cook, 1974 for a reassessment of the higher categories of water mites, Lindquist, 1976 for a reassessment of the higher categories of Heterostigmata, and Krantz, 1978 for a treatment of higher categories in general, as well as new families that were erected since 1972.

John B. Kethley
18 October 1977
Chicago

ACKNOWLEDGEMENTS

The original impetus for compiling an index to acarine collections stems from conversations with Donald Johnston, Rodger Mitchell and George Wharton during my tenure as a post-doctoral trainee in the Acarology Laboratory, The Ohio State University (NIH Grant # AI-00216-10). I also wish to thank them for their assistance in the preparation of the original survey questionnaire.

I am indebted to H. S. Dybas, H. Hoogstraal, D. E. Johnston, E. L. Lindquist, R. D. Mitchell, and R. L. Wenzel for advice on format and style of the completed index. I am extremely grateful to Louise Bernard and Vernon Reaves for their valuable assistance in proofing the copy. Special thanks are due Claire Bloom and Patricia Peyton for typing the finished copy. Publication and distribution would not have been possible without the generous assistance of H. Hoogstraal. Finally, the entire index itself could not have become a reality without the cooperation of all participants in completion of the survey questionnaires.

I. HOLDINGS OF TAXA

Families are listed alphabetically under the respective superfamily. The superfamilies, cohorts, suborders and ordinal listing approximates that found in conventional listings, i.e., beginning with Opilioacariformes and ending with Oribatei.

The numbers listed under each taxonomic unit correspond to the collections as listed in Section II. The letters following each number describe the nature of the respective holding as:

T = Primary type material

T" = Secondary type material

D = Determined, non-type material

U = Undetermined material

Collection identification numbers (113-186, 189), which are not followed by any letters - T, T", D, or U - indicate holdings for which detailed information was not available.

It should be noted again, that an entry indicating type material or determined non-type material of a superfamily or higher category means that all families of that group are represented in the collection. In contrast, an entry indicating undetermined material of a superfamily or higher category means that the material has not been identified to the family level.

OPTILIOACARIFORMES	ICHTHYOSTOMATO- GASTERIDAE	AMEROSEIIDAE con't.	ASCIDAE con't.	DERMANYSSIDAE (s.st.) con't.
OPTILIOACARIDAE	1-T,D	11-U	67-D,U	88-D
6-U	4-D	12-D,U	69-U	91-D
9-U	71-U	16-D,U	71-D,U	92-D
19-D		18-D,U	72-T,D,U	94-D,U
43-U	SEJIDAE	19-D,U	73-D	97-T",D,U
47-U		23-D,U	81-D	98-D,U
50-D,U	7-U	38-T,T",U	88-T,T",D	104-T",D
64-D	9-U	43-U	91-U	105-T,U
98-U	10-D	47-D,U	94-D,U	106-D,U
104-U	12-D	48-U	95-T",U	107-T,T",D,U
	16-D,U	50-D	97-D,U	108-D
	19-D,U	53-D	100-D	111-T,T",D
PARASITIFORMES	43-U	58-T",D,U	104-T",D,U	
36-D	48-U	64-U	105-U	DIGAMASELLIDAE
116	50-D	67-T,D	106-U	38-T,T",U
133	64-U	69-U	107-U	53-D
136	65-U	72-D,U	108-D	64-U
149	67-D	81-D	111-D,U	67-D,U
150	69-U	88-T,T",D	112-T,T"	88-D
158	71-U	94-U	DASYPONYSSIDAE	97-D,U
167	83-D	104-D,U	8-U	108-D
185	88-D	105-U	57-T"	
	95-U	107-U	67-T,T"	
	97-U	108-U	72-T"	
HOLOTHYRINA	104-D,U	111-D		DISCOZERCONIDAE
	105-U			1-U
HOLOTHYRIDAE	108-D	ARCTACARIDAE	DERMANYSSIDAE (s.st.)	2-T
	112-T	9-D,U	1-D	4-T",D
1-T,T",D		11-D	2-T	8-U
4-D	UROPODELLIDAE	43-U	4-D	19-D
6-U	9-U	50-D	7-U	69-U
32-D	10-D,U	72-T",D	8-U	72-T"
39-D	16-T,T",D	88-D	9-D	111-D
43-U	43-U	104-U	10-D,U	
71-U	48-U	105-U	11-D	ENTONYSSIDAE
104-U	50-D	108-D	12-T,T",D	8-U
	53-D		16-T",D,U	20-D
MESOSTIGMATA	64-U	ASCIDAE	18-D	29-D
16-T",D,U	71-U	1-T,T"	19-T,T",D,U	48-U
22-T,T",D,U	91-U	2-T	20-D	50-D
24-T,D,U	92-T,D	7-U	23-D,U	52-T"
29-U	94-U	9-T,D,U	29-D	64-U
33-U	104-D,U	10-D,U	30-D,U	67-D
36-U	108-D	11-D,U	34-D	71-T"
37-U		12-T,T",D	35-D	72-T"
40-T,T",D,U	GAMASINA	16-T",D,U	36-D	73-D
97-U	15-U	18-T,T",D,U	39-T",D,U	104-D
112-D	32-T,D,U	19-T",D,U	40-D,U	107-U
115	36-D	23-D,U	43-U	108-D
117	45-T",D	27-T	45-T",D	
121	57-U	33-T,T",U	47-D	
123	73-D,U	36-D	48-D,U	EPICRIIDAE
145	77-U	38-T,T",D,U	50-D	9-U
147	82-U	40-D,U	57-T",D,U	11-U
151	91-U	43-U	58-D	16-D,U
153	93-D	45-U	62-D	18-D
155	107-D,U	47-T",D,U	64-D	19-D,U
159		48-T",D,U	65-U	23-T,D,U
163	AMEROSEIIDAE	53-D	67-T,T",D,U	38-U
170	1-T,T"	57-T",D,U	69-T,T",D,U	43-U
186	9-T,D,U	58-T",D,U	71-D	48-U
	10-D,U	63-D,U	72-T	50-D
SEJINA		64-U	73-D	64-U
7-U		65-U	81-D	
15-U			83-D	

EPICRIIDAE con't.	HAEMOGAMASIDAE con't.	HYSTRICHONYSSIDAE	LAELAPIDAE con't.	MACROCHELIDAE con't.
65-U		1-T''	48-T,T'',D,U	
69-U	73-D	4-T'',D	50-T'',D	91-T,T'',D,U
71-D	81-D	57-T'',D,U	51-U	92-D
73-D	83-D	71-T''	53-D	94-D
76-D	88-D	72-T	57-T'',D,U	95-D
88-D	91-D,U		58-D	97-D,U
92-T,D	94-U		62-D	98-D,U
97-U	95-U	IPHIOPSIDAE	63-U	104-T'',D,U
104-D,U	97-T'',D,U		64-D,U	105-U
108-D	98-D,U	1-T'',D	65-U	106-D,U
111-D,U	100-D	9-U	67-T,T'',D,U	107-D,U
	104-D	19-D	69-T,T'',D,U	108-D
EVIPHIDIDAE	105-U	48-U	71-D,U	111-T,T'',D
	107-T'',D,U	58-T'',D	72-T,D,U	112-T,T'',D
9-D,U	108-D	69-U	73-D	149
10-U	111-D	107-U	81-D	
11-D,U			83-D	MACRONYSSIDAE
12-D,U	HALARACHNIDAE	IXODORHYNCHIDAE	88-T,T'',D	
16-D,U			91-T,T'',D,U	4-T'',D,U
19-T,D,U	1-D	7-U	92-D	6-T,D
23-D,U	4-D	9-U	94-D,U	8-U
36-D	8-U	19-D	95-D	9-D
38-T,T'',D	9-D	48-D,U	97-T,T'',D,U	10-D,U
43-U	12-D	50-D,U	98-D,U	11-D,U
48-D,U	18-T,T'',D,U	64-D,U	100-U	12-T,T'',D,U
64-U	19-T,T'',D	69-D,U	104-T'',D,U	18-D
67-T	43-U	71-T''	105-U	20-T,T'',D
69-D,U	45-T'',D	72-T,T''	106-D,U	29-D
72-U	50-D	94-U	107-T,T'',D,U	30-D,U
73-D	57-D	95-D	108-D	34-U
76-D	64-D	104-D	111-T,T'',D,U	35-D
88-T,T'',D	67-D,U	105-U	112-T,T'',D	36-D
92-T,D	69-D	106-D		43-U
97-D,U	83-D	107-U	MACROCHELIDAE	45-T'',D
104-T'',D,U	89-T	108-D		48-U
105-U	91-D	111-D	1-T,T'',D,U	50-D
108-D	104-D		7-U	57-T,T'',D,U
111-D,U	108-D	LAELAPIDAE	9-D,U	62-D
	111-D,U		10-D,U	64-D,U
	112-T,D	1-T,T'',D,U	11-D,U	65-U
HAEMOGAMASIDAE		2-T	12-T,T'',D,U	67-T'',D,U
	HALOLAE LAPIDAE	4-T'',D,U	16-D,U	68-T'',D,U
1-D		6-D	18-D,U	69-T,T'',D
7-U	9-U	7-U	19-T,T'',D,U	71-T'',D
8-U	16-D,U	8-U	29-D	72-T,D
9-D,U	19-T,T'',D,U	9-D,U	33-D,U	73-D
11-D	38-U	10-D,U	34-U	83-D
12-D	48-U	11-D,U	36-D	88-D
16-D,U	69-D	12-T,T'',D,U	38-T,T'',U	91-D,U
18-D	88-T,T'',D	16-D,U	40-D	94-D
19-T,D,U	104-U	18-T'',D,U	43-U	97-T'',D
20-D	111-D	19-T,T'',D,U	47-D,U	104-D,U
23-D,U		20-T,T'',D	48-U	105-U
29-D		23-D,U	50-T'',D	106-U
30-D,U		29-D,U	51-U	107-D,U
33-D,U		30-D,U	64-D,U	108-D
34-D		33-U	65-U	111-D,U
36-D		34-D	67-D,U	112-T,T'',D
45-T'',D		35-T'',D,U	69-T,T'',D,U	
48-D,U		36-D	71-D	MANITHERIO-
50-D		38-T,T'',D,U	72-T	NYSSIDAE
57-D,U		39-D,U	73-D	
64-U		40-D,U	76-D,U	19-T
65-U		43-U	77-D,U	57-D
67-D,U		45-T'',D	81-D	71-D
71-D		47-D,U	83-D	
72-T,D,U			88-T,T'',D	

MICROGYNIIDAE

9-U
12-D
16-U
43-U
50-T"
71-D
72-T
104-T",D,U

MICROSEJIDAE

NEOPARASITIDAE

2-T
10-D,U
11-D
18-D
19-T,T",D,U
43-U
47-D,U
48-U
51-U
64-U
65-U
67-D
73-D
88-D
92-T,D
97-D,U
98-U
100-U
106-U
107-U
111-D

OMENTOLAE LAPIDAE

39-D,U
71-T"
72-T"

OTOPHEIDOMENIDAE

9-T,D
12-D
48-D,U
58-T",D
67-D
69-T,D
71-T"
72-T"
104-T",D,U

PACHYLAELAPIDAE

1-T,T",U
2-T
7-U
9-D,U
11-U
12-D,U
16-D,U
18-U

PACHYLAELAPIDAE
con't.

19-T,D,U
23-T,T",D,U
38-T,T",U
43-U
47-D,U
48-U
64-U
67-D
69-U
71-U
72-U
73-D
83-D
88-D
92-T,D
97-U
104-U
107-U
108-D
111-D

PARASITIDAE

1-T,T",D,U
7-U
8-U
9-U
10-D,U
11-D,U
12-D,U
16-T,T",D,U
18-T,D,U
19-T,T",D,U
23-T,T",D,U
30-U
33-D,U
34-D,U
36-D
38-D,U
40-D
43-U
47-U
48-U
63-D,U
64-U
65-D,U
67-D,U
69-U
71-D,U
72-U
73-D
76-D,U
77-U
81-D
83-D
88-T,T",D
91-D,U
92-T,D
94-U
95-D,U
97-D,U
98-D,U
104-D,U
105-U
106-D,U
107-U

PARASITIDAE con't.

108-D
111-T,T",D,U
112-T
159

PARHOLASPIDAE

9-U
10-T",D,U
11-T",D,U
12-U
16-D,U
19-T
38-U
43-U
47-U
48-D,U
63-D,U
65-D,U
67-U
71-D,U
72-T
73-D
88-T,T",D
95-D,U
97-U
104-T",D,U
105-U
108-D

PHYTOSEIIDAE

1-T,T",D,U
3-U
7-T",D
9-T,D
10-D,U
11-D,U
12-D,U
16-T,T",D,U
18-D,U
19-D,U
23-D,U
25-T,D,U
27-T
28-T,U
33-D,U
37-T,T",D,U
38-T,T",D,U
40-T,T",D,U
43-U
45-U
47-T",D,U
48-D,U
58-D
59-D
63-D,U
64-T",D,U
65-D,U
67-T,D
69-D
71-D
72-T,D,U
73-D
74-D,U
77-D

PHYTOSEIIDAE con't.

81-D
88-T,T",D
92-T,D
94-D
95-D,U
97-T,T",D,U
98-D,U
104-D,U
105-U
106-U
107-D,U
108-D
111-T,T",D,U
112-T,T"
134
154
164
184

PODOCINIDAE

7-U
9-D,U
11-D,U
16-D,U
18-D,U
19-T,T",D,U
38-U
43-U
47-T",D,U
48-U
50-D
63-D,U
64-D,U
65-U
67-U
69-U
71-D
72-U
73-D
97-D,U
98-U
104-D,U
105-U
108-D
111-D

RAILLIETIDAE

1-D
8-U
20-T
50-D
111-U

RHINOYSSIDAE

1-D
4-T",D
8-U
9-D
11-D
12-T,T",D,U
19-T,T",D
29-D

RHINOYSSIDAE con't.

34-U
36-U
39-T,T",D
45-T",D
48-T",D,U
50-D
64-D,U
65-U
67-T,T",D,U
69-D
71-D
72-T
91-D,U
95-D,U
98-D,U
104-D,U
105-U
106-U
107-D,U
111-D,U
157
166

RHODACARIDAE

1-T,T",D,U
2-T
7-U
9-T,D,U
10-D,U
11-T",D,U
12-T",D,U
16-D,U
18-D
19-D,U
33-U
38-T,T",D,U
43-U
47-U
48-T",D,U
59-U
63-D,U
64-U
65-U
67-T,D
69-U
73-D
76-U
88-T,T",D
92-T,D
97-T,T",D,U
104-D,U
105-U
108-D
111-D,U

SPELAEORHYNCHIDAE

8-U
12-D
18-T,T"
30-T"
43-U
45-D
50-D
57-U

SP^EELAEORHYNCHIDAE
con't.

62-D
71-D
72-T
91-D
104-D
106-D
176

SP^IINTURNICIDAE

1-T",D,U
4-T",D,U
6-T,D
8-U
9-D
10-D
11-D
12-T,T",D,U
18-D,U
19-T,D,U
20-T,T",D
29-D
30-T,T",D
34-U
35-D
36-U
38-U
39-T,T",D,U
43-U
45-T",D
48-U
50-D
57-D
64-U
67-T,D,U
69-T,T",D,U
71-D
72-T
76-U
83-D
91-T,D,U
95-D,U
97-T",D,U
98-D,U
104-D,U
105-U
106-D,U
107-D,U
108-D
111-D
112-T
186

VEIGAIIDAE

1-T,T",D,U
7-U
9-D,U
10-D,U
11-D,U
12-D
16-T",D,U
18-D
19-D
23-D,U
36-D

VEIGAIIDAE con't.

38-D,U
43-U
47-U
48-T",D,U
59-T
63-D,U
64-U
65-D,U
67-T,D
69-U
71-D
72-T
73-D
76-D,U
83-D
88-T,T",D
92-T,D
94-U
95-D,U
97-D,U
104-D,U
105-U
106-U
107-U
108-D
111-D,U

ZERCONIDAE

1-D,U
9-D,U
10-D,U
11-D,U
12-D
16-T",D,U
18-U
19-D
23-T,T",D,U
44-U
48-U
59-D
63-D,U
64-D,U
65-U
67-T,U
69-U
71-D
72-U
73-D
76-D,U
79-T,T",D,U
83-D
88-T,T",D
91-U
92-T,D
94-U
95-D,U
97-U
98-U
104-D,U
105-U
106-U
107-U
108-D
111-D

UROPODINA

1-T,T",D,U
6-D
7-U
9-D,U
10-D,U
12-D,U
15-U
16-U
18-T,D,U
19-T,T",D,U
32-D,U
38-T,T",U
43-U
47-U
50-T,T",D
51-T,T",D,U
53-D
64-U
65-U
69-T",D,U
71-D,U
72-U
73-D,U
76-D,U
77-U
81-D
82-U
83-D
91-D,U
95-D,U
97-U
98-U
100-T",D,U
105-U
106-U
107-U
108-D
111-T,T",D,U
112-T,T"

CILLIBIDAE

19-T,D,U

CIRCOCYLLIBANIDAE

19-T"

COXEQUESOMIDAE

19-T"

DISCOURELLIDAE

19-T,T"

PHAULODINYCHIDAE

19-T,T",U

PLANODISCIDAE

19-T"

PRODINYCHIDAE

19-T",D,U

THINOZERCONIDAE

19-U

TRACHYUROPODIDAE

19-T,D,U

TREMATURIDAE

19-D

URODIASPIDAE

19-D

URODINYCHIDAE

19-T",D,U

UROPODIDAE

19-T,T",D,U

TRACHYTINA

POLYASPIDAE

19-D,U

POLYASPIDINIDAE

19-D

TRACHYTIDAE

19-T,D,U

DIARTHROPHALLINA

DIARTHROPHALLIDAE

1-T,T",D

7-U

12-D

15-U

48-T",D,U

50-D

64-D,U

69-U

71-D

72-T

94-U

97-D,U

99-U

104-D

105-U

107-U

108-D

ANTENNOPHORINA

91-U

97-U

98-U

ANTENNOPHORIDAE

18-D,U

19-T,D

23-U

48-U

50-D

64-U

97-U

104-D

111-D

112-T,U

CELAENOPSIDAE

1-T,T",U

7-U

9-T,D

12-D

16-D,U

18-T,T",D,U

19-T,T",D,U

23-U

38-T,T",U

43-U

50-D

53-D

72-U

83-D

94-U

97-U

99-T",D,U

104-U

111-T,T",D

112-T

CERCOMEGISTIDAE

9-T

16-U

19-T

23-U

43-U

48-U

50-D,U

53-D

64-U

71-D,U

72-T

97-U

104-U

DIPLOGYNIIDAE

1-T,T",D,U

7-U

11-D,U

12-T,T",D,U

16-U

18-D

23-U

43-U

48-D,U

50-D

64-U

69-U

71-D,U

72-T

91-T,T",D,U

95-U

97-U

99-T",D,U

104-T",D,U

105-U

107-U

108-D

EUZERCONIDAE

1-D

9-U

EUZERCONIDAE	MEGISTHANIDAE	METASTIGMATA	IXODIDAE con't.	ENDEOSTIGMATA
con't.	1-T,T'',D,U 7-U	IXODOIDEA	12-T,T'',D,U 16-D,U	PACHYGNATHOIDEA
11-D,U	16-U	22-T,T'',D,U	18-T,T'',D,U	15-U
16-U	18-D,U	36-D	19-T,D,U	16-U
19-D	19-T,D	69-T,T'',D,U	20-D	98-U
23-U	23-U	82-U	23-D,U	
48-D,U	38-U	93-D	29-D	
50-D	47-U	113	30-D,U	
64-D,U	48-T',D	132	32-T,T'',D	ALICHORHAGIIDAE
69-U	50-D	146	34-D,U	9-D,U
71-U	64-D	173	36-D	10-D,U
72-T,U	69-D	174	39-T,D	11-D,U
91-U	71-D	177	45-D	38-T,T'',D
94-U	72-D	178	48-U	40-T''
97-U	91-D	ARGASIDAE	50-D	48-D
99-T'',D,U	94-U	1-D,U	52-D	50-U
104-D,U	97-U	4-D	54-T'',D,U	64-U
105-U	99-U	6-D,U	56-T,T'',D,U	65-U
106-U	104-D	7-U	61-D	69-D,U
108-D	107-U	8-U	64-D,U	73-D
111-D	111-D	9-D	65-D	97-U
	112-T	12-T,T'',D	67-T,D,U	107-U
FEDRIZZIIDAE	PARAMEGISTIDAE	18-D	69-T,T'',D,U	108-D
1-T,T'',D	1-T,T''	19-D	76-D	LORDALYCHIDAE
12-U	16-U	20-D	83-D	1-T,T''
18-D	19-D	23-D,U	89-T,D	9-U
23-U	23-U	29-D	91-T'',D,U	10-D
38-U	29-D	32-D	94-D	11-U
50-D	39-D	34-D	95-D,U	38-T,T'',D
69-U	50-D	36-D	97-U	43-U
92-D	64-U	39-T,D	98-D	48-U
99-U	71-D,U	45-D	100-D	50-U
104-U	97-U	48-U	104-D	65-U
108-D	100-D	50-D	105-U	69-D,U
111-T,T'',D	104-D	54-D,U	106-D	95-U
		56-T,T'',D,U	107-D,U	104-U
HOPLAMEGISTIDAE	PARANTENNULIDAE	64-D,U	108-D	105-U
9-U	1-T,T''	65-D	110-T'',D	108-D
16-U	16-U	67-D,U	111-D,U	NANORCHESTIDAE
23-U	19-D	69-T,T'',D,U	112-T,T''	1-T,T'',D
48-T''	23-U	83-D	162	9-D,U
50-D	48-T''	89-T,D	175	10-D,U
64-U	50-D	91-T,D,U	NUTTALLIELLIDAE	11-U
69-U	64-U	94-D	71-D	18-D
71-U	67-T,D	97-U	187-T	19-D,U
97-U	69-T'',D,U	98-D	PROSTIGMATA	33-U
99-U	71-D,U	104-D	3-U	38-T,T'',D,U
104-U	100-U	105-U	32-T,T'',D,U	40-T'',D
111-D	104-D	106-D	40-D	43-U
	105-U	107-T'',D,U	91-D	47-D,U
KLINCKOSTROE- MIIDAE	108-D	110-D	112-D	48-D,U
1-T,T'',D	SCHIZOGYNIIDAE	111-D	115	50-U
7-U	16-U	112-T,T''	116	64-U
11-D	23-U	148	117	65-U
23-U	43-U	IXODIDAE	130	67-T,D,U
43-U	48-U	1-D,U	133	69-U
48-T'',U	50-D	2-T,D	149	71-D
50-D	69-U	4-D	157	73-U
69-U	71-U	6-T,D,U	163	94-U
91-U	97-U	7-U	167	97-U
99-U	99-T'',D,U	8-U	171	
104-U		9-D		
		10-U		

NANORCHESITIDAE
con't.

104-U
105-U
107-U
108-D

PACHYGNATHIDAE

1-T, T'', D
9-D, U
10-D, U
11-U
18-D, U
19-D, U
38-T, T'', D, U
43-U
47-D, U
48-D, U
50-U
64-U
65-U
69-D, U
71-D
73-U
76-D
94-U
97-U
104-D, U
105-U
107-U
108-D
111-T, T'', D

PEDICULOCHELIDAE

38-U
50-U
71-D
91-U
97-U
107-U
108-D

SPHAEROLICHIDAE

10-U
38-T, T'', U
43-U
50-U
65-U
107-U
108-D

TERPNACARIDAE

38-T, T'', U
48-U
50-U
69-U
97-U
108-D

TARSONEMOIDEA

15-U
23-T, T'', D, U
121

PYEMOTIDAE

1-D, U
4-D
7-T, D
9-D, U
10-D, U
11-D, U
12-D, U
16-D, U
18-T, T'', D, U
19-T, T'', D, U
23-T, T'', D, U
30-T'', D
33-U
36-D
38-U
39-D
40-D, U
42-T'', D, U
43-U
47-D, U
48-U
50-T'', D, U
51-T'', D, U
53-D
58-U
63-U
64-D, U
65-U
67-D
69-T, T'', U
71-D
72-D, U
73-D, U
74-D, U
81-D
83-D
91-U
92-D
93-T, T'', D
94-U
95-T'', D
97-D, U
98-D, U
100-D
104-T'', D, U
105-U
106-D
107-D
108-D
111-D, U
112-T, T'', D
138

PODAPOLIPODIDAE

1-D, U
7-U
9-U
11-D
12-D

PODAPOLIPODIDAE
con't.

16-U
19-D, U
23-T, T'', D, U
29-D
33-D
39-D, U
40-D
43-U
50-U
51-U
64-D
69-U
72-T''
81-D
94-U
97-D
98-T, D
100-D
104-D
105-U
106-T'', D
111-D

SCUTACARIDAE

1-T''
9-U
10-D, U
11-U
12-D, U
16-T'', D, U
18-T, T'', D, U
19-T, D, U
23-T, T'', D, U
29-U
38-U
40-D
42-D, U
43-U
47-D, U
48-U
50-T, U
64-U
65-U
67-U
72-U
73-D, U
76-U
77-D, U
83-D
92-T, D
93-T, T'', D
94-U
97-D, U
98-D, U
104-U
105-U
106-D
107-U
111-D, U
112-T

TARSONEMIDAE

1-D

TARSONEMIDAE
con't.

7-T, D
9-T, D, U
10-D, U
11-U
12-D, U
18-D, U
19-T, D, U
23-T, T'', D, U
29-U
33-D, U
37-U
38-U
39-D, U
40-D, U
43-U
47-T'', D, U
48-D, U
50-T, T'', D, U
53-D
58-D
64-U
65-U
71-D
72-T, D
73-D, U
74-T, D, U
76-U
77-D, U
81-D
83-D
88-D
91-D
92-D
94-U
95-T'', D
97-D, U
98-D, U
104-D, U
105-U
106-D, U
107-D, U
111-T, T'', D, U
112-T
142
143

PROMATA

ANYSTOIDEA

15-U

ANYSTIDAE

1-T, T'', D
3-T'', D, U
4-D
7-U
9-U
10-D, U
16-U
18-D
19-D, U
33-U

ANYSTIDAE con't.

37-U
38-T, T'', U
39-U
40-T, T'', D, U
43-U
47-D, U
48-T'', U
50-U
64-U
65-U
67-U
72-U
73-D
76-D
79-T, T'', D, U
83-D
91-U
92-D, U
94-U
97-U
98-U
104-D, U
105-U
107-U
111-D, U
112-T

HETEROCHEYLIDAE

1-T, T''
16-U
48-D, U
50-U
64-U
69-U
94-U
97-T, T'', D, U
104-D
105-U

PTERYGOSOMIDAE

1-T, T''
7-D
8-U
12-U
16-U
18-D
19-T, D, U
29-U
39-T, T'', D, U
43-T, T'', D, U
44-T, T'', D, U
48-U
50-T, D, U
64-U
67-D
69-U
72-T
73-D
84-T, T'', D, U
91-D, U
95-U
97-T'', D, U
104-D

PTERYGOSOMIDAE con't.	BDELLIDAE con't.	CUNAXIDAE con't.	CHEYLETIDAE con't.	DEMODICIDAE con't.
105-U	27-T	81-D	16-D,U	64-D,U
107-D,U	29-U	91-T",D,U	18-D,U	67-D
112-T	33-U	92-D,U	19-T,T",D,U	69-T"
	37-U	94-D,U	20-D	83-D
	38-D,U	95-D,U	23-U	91-D
	40-T,T",D,U	97-D,U	27-T	95-U
	43-D,U	98-U	29-U	98-D
PSEUDOCHEYLIDAE	47-D,U	104-D,U	30-D	102-T,T",D,U
1-T,T"	48-D	105-U	33-D,U	104-D
7-T	49-T,T"	107-U	34-U	106-D,U
16-U	50-T,T",D	111-D,U	36-U	108-D
18-U	53-D	112-T	37-U	111-D
37-U	63-U		38-U	
38-U	64-D,U		39-T,T",D,U	
40-D	65-D,U	CAECULOIDEA	40-D,U	
43-U	67-D,U		43-U	HARPYRHYNCHIDAE
50-U	69-D,U		45-D	9-D
65-U	71-D		47-T",D,U	12-T,T",D
72-T	72-T,D,U	CAECULIDAE	48-D,U	18-D
94-U	73-D		50-T,T",D	19-D
97-D,U	79-T"	1-T"	53-D	30-T",D,U
104-D	81-D	5-T,U	57-T",D,U	39-T",D
105-U	83-D	7-U	64-T",D,U	43-U
106-D,U	91-D,U	9-U	65-U	45-D
	92-T,D,U	18-D	67-T,D	48-U
	94-D,U	19-T,D	69-U	50-T",D
TENERIFFIIDAE	95-D,U	23-D,U	71-D	64-U
1-T,T"	97-D,U	38-U	72-T,D	67-D
7-D	98-U	39-T,T",D,U	73-D	69-U
16-U	100-U	40-D	77-D	95-U
19-D	104-D,U	43-U	81-D	104-D
23-DU	105-U	48-U	83-D	105-T,U
27-T	106-U	50-U	91-T,D,U	107-U
38-U	107-D,U	61-T,T",D,U	94-D,U	
40-D	108-D	64-T",D,U	95-D,U	
43-U	111-D,U	69-U	97-T,T",D,U	
48-U	112-T,T"	71-U	98-D,U	MYOBIIDAE
50-U		72-T",U	104-D,U	1-T,T",D
64-D	CUNAXIDAE	85-T,T",D	105-U	4-D
72-U	1-D	92-D	106-D,U	8-U
79-T,T"	3-U	94-U	107-U	9-D
92-D	7-U	95-U	108-D	10-D,U
97-U	9-D,U	97-U	111-T,T",D,U	11-D
104-U	10-D,U	98-U	112-T	12-T,T",D,U
107-U	11-D,U	104-D		18-T,T",D
111-D,U	12-D	107-U	CLOACARIDAE	19-T,D,U
	16-D,U	111-D		20-T,T",D
	18-D,U	112-T,T"	30-U	30-T,T",D,U
BDELLOIDEA	19-T,T",D,U		48-U	34-U
15-U	23-D,U	CHEYLETOIDEA	50-T,T",D,U	36-D
	33-U		64-D,U	39-T,T",D,U
	37-U	15-U	71-D	43-U
	38-D,U	23-U	94-D	45-D
BDELLIDAE	40-D,U	82-U	104-D	48-U
1-T,T",D,U	43-U	183		50-D,U
3-T,T",D,U	47-D,U		DEMODICIDAE	51-T",D
6-D	48-D	CHEYLETIDAE		64-U
7-U	50-U		1-D	67-T,T",D
9-D,U	63-U	1-T,T",D	8-U	69-T",D
10-D,U	64-U	4-D	18-D	72-T
11-D,U	65-U	7-T,D,U	19-D	83-D
12-D,U	67-U	8-U	20-D	91-T,D,U
16-D,U	69-D,U	9-T,D,U	29-D	95-D,U
18-T,T",D,U	72-T,D,U	10-D,U	30-T,T",D	97-T",D,U
19-T,D,U	73-D,U	11-U	48-U	98-D
23-D,U	79-T",D	12-T,T",D,U	50-U	100-T",D
				104-D

MYOBIIDAE con't.	ERIOPHYIDAE con't.	EUPODIDAE con't.	RHAGIDIIDAE con't.	IOLINIIDAE
105-U	10-D,U	72-U	7-U	43-U
106-T",D,U	11-D,U	73-U	9-D,U	67-U
107-D,U	16-U	81-D	10-D,U	72-T
111-D,U	18-T,T",D	83-D	11-U	
112-T,T"	19-D,U	91-U	16-U	
	23-T,T",D,U	92-T,D	18-D,U	LABIDOSTOMMOIDEA
	33-T,T",D,U	95-U	19-D,U	
OPHIOPTIDAE	37-U	97-U	23-U	
	38-T,T",U	98-D,U	38-D,U	LABIDOSTOMMIDAE
9-U	40-T",D,U	104-D,U	40-D	
20-T	46-T,T",D,U	105-U	43-U	1-T,T",D
39-T",D	47-D,U	107-U	47-U	4-D
48-D	50-T,T",D	111-T,T",D,U	48-U	9-U
50-U	64-D,U	112-T	50-U	12-U
69-D,U	65-U		64-U	15-U
107-T,T",D	72-D,U		65-U	18-D
	73-D,U	PENTHALEIDAE	67-T,D	19-D,U
	81-D		69-U	23-D,U
PSORERGATIDAE	83-D	1-D	72-U	38-U
	91-D,U	3-D	73-D,U	40-T
9-T,D	94-D	9-D,U	76-U	43-U
18-T",D	95-D,U	16-D,U	79-T,T"	48-T,T",D,U
19-D	97-D,U	19-D,U	91-D	49-T,T"
20-D	98-D,U	23-U	92-T,D,U	50-T,T",D
30-T,T",D,U	104-D,U	43-U	94-U	64-U
50-U	105-U	48-U	95-U	69-U
67-D,U	106-D,U	50-T,T",D	97-U	72-U
69-T",D	107-U	64-D	98-U	76-D
83-D	111-T,T",D,U	65-U	104-U	85-T,T",D
98-D	112-T	67-T,D	105-U	91-D,U
104-D	134	69-U	107-U	92-D
111-D	158	73-D	108-D	95-U
	169	91-T",D	111-T,T",D,U	97-D,U
	181	94-U		98-U
		97-D,U		104-D,U
		98-D,U	HALACAROIDEA	107-U
SYRINGOPHILIDAE	EUPODOIDEA	104-D		108-D
		111-D,U	HALACARIDAE	111-D
1-U	3-U			112-D
19-D,U	15-U	PENTHALODIDAE	1-D	RAPHIGNATHOIDEA
20-D	23-U		6-U	
30-D,U	48-D,U	1-T,T",D	17-T,T",D	15-U
39-T		7-U	18-T,T",D,U	
43-U		9-D,U	19-T,D,U	CALIGONELLIDAE
48-T,T"	EUPODIDAE	16-U	31-D	
50-D,U		19-D	34-U	7-D
57-T",D	1-D	23-U	43-T,T",D,U	16-U
64-U	3-D	33-D	48-U	19-D
69-D,U	7-U	43-U	50-U	40-T,T"
70-T",D,U	9-D,U	50-U	67-D	43-U
72-T"	10-D,U	64-U	72-T"	47-D,U
83-D	11-U	65-U	86-T,T",D,U	49-T,T"
95-D,U	12-U	67-D,U	89-T,D	50-U
97-D	16-U	69-U	90-D,U	65-U
104-D	18-D,U	72-T	95-D,U	94-D,U
105-U	19-D,U	92-T,D	104-T",D,U	95-U
106-T",D,U	23-U	94-D	105-U	97-T",D,U
108-D	33-U	97-D	107-U	98-U
ERIOPHYOIDEA	38-T,D,U	104-D	111-T,T",D	104-U
	40-T",D,U	111-D	129	112-T"
	43-U		144	
ERIOPHYIDAE	47-U		152	
	50-U	RHAGIDIIDAE	161	
1-D	64-D,U			CRYPTOGNATHIDAE
6-U	65-U			
7-T"	67-T,D			1-D
8-U	69-U	1-D,U		7-T
9-T,D,U		6-D	IOLINOIDEA	9-D,U

CRYPTOGNATHIDAE
con't.

12-D
16-U
18-D
19-D
38-D,U
40-T
43-U
47-D,U
48-D,U
50-U
64-U
65-U
72-U
85-D
95-U
97-T,T",D,U
104-T",D,U
107-U
111-D,U

EUPALOPSELLIDAE

9-D,U
16-U
27-T
33-U
40-T,D,U
47-T",D,U
50-U
53-D
72-U
94-D
97-T,T",D
104-U

HOMOCALIGIDAE

1-T"
69-U
111-D,U

NEOPHYLLOBIIDAE

1-T,T"
7-U
9-U
16-U
40-D
43-U
47-D,U
48-U
50-U
53-D
64-D
69-U
72-U
74-U
104-U
105-U
107-U

POMERANTZIIDAE

72-T
97-U

RAPHIGNATHIDAE

1-D
7-U
9-D,U
11-D
16-T",D,U
18-T,T",D
19-D,U
37-U
38-U
40-D
43-U
47-D,U
48-U
49-T",D
50-T,U
64-U
67-U
69-U
72-T,U
73-D,U
81-D
91-D,U
92-D
95-D,U
97-D,U
98-U
104-D,U
105-U
107-U
111-D
112-T

STIGMAEIDAE

1-T",D
3-U
7-D
9-D,U
10-D,U
11-D,U
16-U
18-D
19-U
27-T
33-D,U
37-U
38-T",U
40-T,T",D,U
43-U
47-T",D,U
48-U
50-U
64-D,U
65-U
67-T,D,U
69-U
72-T
81-D
83-D
92-D
94-D,U
95-D,U
97-T,T",D,U
98-D,U
104-D,U
105-U
111-T,T",D,U
112-T,D

TARSOCHYLIDAE

1-T"
10-T",D
40-U
48-U
49-T",D
64-U
71-T"
72-T
97-U
104-D

TETRANYCHOIDEA

82-U
134
169
176
179

ALLOCHAETOPHORIDAE

72-T

LINOTETRANIDAE

16-U
40-D
43-U
72-T

TENUIPALPIDAE

1-T,T",D
7-T,D
10-D,U
16-D,U
18-D,U
19-D,U
23-T,T",D
28-D
33-D,U
37-T,T",D,U
38-T,T",U
39-T,T",D,U
40-T,T",D,U
43-U
47-D,U
48-D,U
50-D,U
64-T",D,U
65-D,U
67-D,U
71-D
72-T,D
73-D,U
94-D
97-T",D,U
104-D,U
105-U
106-U
107-U
111-D,U
112-T
184

TETRANYCHIDAE

1-T,T",D,U
2-T
3-U
4-D
6-D,U
7-T,T",D
8-U
9-T,D
10-D,U
11-D,U
15-D
16-D,U
18-D
19-D,U
23-T,T",D
27-T
28-T,D,U
33-T,T"
37-T,T",D,U
38-T,T",D,U
39-T,D,U
40-T,T",D,U
43-U
47-D,U
48-T",D,U
50-T,T",D,U
64-T",D,U
65-T",D
67-D,U
71-D
72-T,D
73-D
81-T,T",D
83-D
91-D,U
92-D,U
94-D
95-D,U
97-T",D,U
98-D,U
104-D,U
105-U
106-D,U
107-D,U
111-D,U
112-T,T",D
154
164
184

TUCKERELLIDAE

1-T,D
7-D
15-D
16-U
28-D
33-D
38-U
43-U
47-D,U
50-D
72-T,D
94-D
95-U
98-D,U
104-D

TYDEOIDEA

3-U
15-U

EREYNETIDAE

1-T,T",D
4-T",D
9-D,U
10-D,U
12-T,T",D,U
16-U
18-D,U
19-T,D,U
29-U
30-T,D
38-U
39-T",D,U
43-U
48-T,T",D,U
50-U
51-U
64-T",D,U
65-U
67-D,U
69-U
70-T",D
72-T,T"
83-D
91-D
92-D
94-U
95-U
97-U
98-U
104-D,U
105-U
106-U
111-D,U

NEMATALYCIDAE

15-T
38-D,U
50-U
72-T
85-T,T",D
94-D

PARATYDEIDAE

16-U
38-T,T",D
40-T"
43-U
48-D,U
50-U
64-U
69-U
72-T
97-U
104-U
107-U

TYDEIDAE	ERYTHRAEIDAE	SMARIDIDAE con't.	TROMBICULIDAE con't.	TROMBIDIIDAE con't.
1-T	1-T,T",D,U	96-D,U		
7-T,T",D,U	3-U	97-U	71-T",D	96-D,U
9-T,D,U	6-D	98-U	72-T	97-D,U
10-T",D,U	7-U	104-U	80-D,U	98-U
11-D,U	8-U	105-U	81-D	104-D,U
16-U	9-T,D,U	107-U	83-D	105-U
18-U	10-D,U	111-T,T",D,U	84-U	106-D,U
19-D,U	12-U	112-T,T"	91-T,T",D,U	107-U
30-U	15-U		92-D	111-T,T",D,U
33-U	18-T,D		94-U	112-T,T",D
37-T,T",D	19-T,T",D,U	TROMBIDIOIDEA	95-U	
38-T,T",U	23-U		96-D,U	
40-T,T",D,U	29-U	23-U	97-D,U	HYDRACHNELLAE
43-U	33-U	114	98-D,U	
47-T",D,U	34-U		101-T",D,U	18-U
48-T",D,U	37-U		104-D,U	22-T,T",D,U
50-U	38-T,T",U	JOHNSTONIANIDAE	105-U	24-T,D,U
58-T",D,U	39-T		106-D,U	29-U
64-U	40-T,T",D,U	1-D,U	107-T,T",D,U	34-D
65-U	43-U	9-D	108-D	43-U
67-T,D,U	48-U	12-D	111-T,T",D,U	50-U
69-U	50-U	15-T,T",D,U	112-T,T"	64-U
72-T	64-U	19-D,U	119	66-D,U
73-D,U	65-U	23-U	123	69-T,T",D,U
81-D	67-U	43-T,T",D,U	153	71-D
83-D	72-U	50-U	155	78-U
91-T",D,U	73-D	79-T,T"	166	91-U
92-D	79-T"	83-D	180	93-D
94-U	83-D	92-T,D		116
95-U	91-T,U	97-U		129
97-D,U	92-T,D,U	104-U	TROMBIDIIDAE	133
98-U	94-U	105-U		135
104-D,U	95-U	111-D	1-T,T",D,U	141
105-U	96-D,U		4-D	144
106-U	97-U	TROMBICULIDAE	6-D,U	149
107-D,U	98-U		7-U	152
111-T,T",D,U	104-D,U	1-T,T",D,U	9-T,D,U	156
	105-U	2-T	10-D,U	157
	106-U	4-T",D,U	11-D,U	160
PARASITENGONA	107-D,U	8-U	12-T,T",D,U	161
	111-T,T",D,U	9-D	15-T,T",D,U	165
16-U	112-T,T"	10-D,U	17-T	168
	180	11-D	18-T,D	184
		12-T,T",D,U	19-T,D,U	189
ERYTHRAEOIDEA		15-T,T",D,U	23-U	
22-T,T",D,U	SMARIDIDAE	18-T",D	29-U	
23-U	1-T,T",D	19-T,D	38-T,T",U	HYDROVOLZIOIDEA
58-U	10-U	20-T,T",D	39-T,T",D	
114	12-D	22-T,T",D,U	40-T",D,U	HYDROVOLZIIDAE
	15-U	23-U	43-U	
CALYPTOSTOMIDAE	18-T,D	29-T",D,U	47-U	17-T,T",D
1-D	19-D,U	30-T",D,U	48-D,U	43-U
12-U	23-U	34-U	50-U	55-T",d
15-U	33-U	35-T",D,U	58-U	66-T"
19-D,U	37-U	36-D	64-U	69-T,T"
23-U	40-D	39-T,T",D,U	65-U	92-T,D
39-T	43-U	41-T"	67-T,T",D,U	104-D
43-U	48-U	43-U	69-D,U	
50-U	50-U	44-T,T",D,U	71-U	
64-U	64-U	45-T",D	72-T,U	
83-U	65-U	47-U	73-D,U	HYDRACHNOIDEA
92-D	72-T	48-T,T",D,U	76-U	
95-U	83-D	50-T,T",D,U	79-T"	HYDRACHNIDAE
96-D,U	91-D	56-T,T",D,U	83-D	
104-U	92-D	64-D,U	91-D,U	1-D,U
105-U	94-D	65-U	92-T,D,U	6-D
111-D	95-U	67-T,T",D	94-U	11-U
		69-T,T",D,U	95-U	

HYDRACHNIDAE con't.	PIERSIGIIDAE con't.	HYDRYPHANTIDAE con't.	LEBERTIIDAE con't.	TORRENTICOLIDAE con't.
17-T,T",D	66-T"			19-D
18-D	69-T"	92-T,D	104-D	26-D
19-D	83-D	98-U	107-D,U	43-U
31-T,D	92-D	103-T,D,U	111-D	55-T",D,U
43-U	98-D,U	111-D,U		69-T,T",D
55-T",D,U	104-D		OXIDAE	89-T,D
64-U		OMARTACARIDAE	6-D	92-T,D
69-T,T",D			17-T,T",D	103-T,D,U
78-D	PROTZIIDAE		19-D,U	
83-D		RHYNCHOHYRACARIDAE	26-D	HYGROBATOIDEA
89-T,D	17-T,T",D		43-U	
92-T,D	18-D		55-T",D,U	ASTACOCROTONIDAE
98-T",D,U	19-U		69-T,T",D	
103-T,U	26-D	THERMACARIDAE	83-D	
105-U	43-U		89-T,D	17-D
106-U	55-T",D,U	17-D	92-D	
107-D,U	69-T,T",D	19-D	103-U	FELTRIIDAE
108-D	78-T"	43-U	111-D	
111-D,U	83-D	55-D		9-T
	92-T,D	66-T"		17-T,T",D
	104-D	69-T		19-D,U
EYLAOIDEA			PSEUDOHYDRY- PHANTIDAE	26-D
	HYDRYPHANTOIDEA	THYASIDAE	17-T,T"	43-U
EYLAIDAE			43-U	55-T",D
1-D	CLATHROSPHER- CHONIDAE	1-T,T"	55-D	69-T,T",D
9-T		15-D,U	69-D	89-T,D
17-T,T",D		17-T,T",D		92-T,D
18-D		19-D		
19-D,U	55-T",D	26-D		
31-T,D	97-U	43-U		
43-U		55-T",D	RUTRIPALPIDAE	HYGROBATIDAE
55-T",D,U	CTENOTHYASIDAE	69-T,T",D		
64-U		83-D	SPERCHONIDAE	9-T,D
69-T,T",D		89-T,D		17-T,T",D
78-D	EUPATRELLIDAE	92-T,D	9-T	18-T,D
83-D		98-U	17-T,T",D	19-D,U
89-T,D		103-D,U	19-D,U	26-D
92-T,D	HYDRODROMIDAE	104-D	26-D	43-U
98-D,U		111-D	43-U	55-T",D,U
104-D	6-D		55-T",D,U	64-U
107-D,U	17-T,T",D	LEBERTIOIDEA	69-T,T",D	69-T,T",D
111-D,U	18-D		83-D	78-T",D
	19-U	ANISITSIELLIDAE	89-T,D	83-D
	43-U		92-T,D	89-T,D
LIMNOCHARIDAE	55-T",D,U		98-D,U	92-T,D
	69-T,T",D	17-T,T",D	103-U	98-D,U
1-T,D	89-T,D	55-T",D	104-D	103-U
6-D	92-T,D	69-T,T",D	111-D	104-D
17-T,D	103-D,U	107-D,U		107-D,U
18-D			TEUTONIIDAE	111-D
19-D				
26-D	HYDRYPHANTIDAE	LEBERTIIDAE		LIMNESIIDAE
43-U			17-D	
55-T",D	1-U	1-U	19-D	6-D
69-T,T"	6-D	9-T	26-D	9-T,D
89-T,D	9-T	17-T,T",D	43-U	17-T,T",D
92-D	17-T,T",D	18-D	55-D	18-D
98-D,U	18-D	19-D,U	69-T	19-D
103-D,U	19-T,D,U	26-D	89-T,D	26-D
	43-U	43-U	92-D	43-U
	55-D,U	55-T",D,U	111-D	55-T",D,U
	64-U	64-U		64-U
PIERSIGIIDAE	69-T,T",D	69-T,T"	TORRENTICOLIDAE	69-T,T",D
	78-T"	83-D		83-D
17-T,D	83-D	89-T,D	17-T,T",D	89-T,D
43-U	89-T,D	92-T,D		
55-D				

LIMNESIIDAE con't.	UNIONICOLIDAE con't.	MIDEOPSIDAE con't.	ARRENUROIDEA	ANOETIDAE con't.
92-T,D		69-T		42-D,U
97-U	97-U	92-D	ARRENURIDAE	43-U
98-D,U	98-D,U	111-D		45-D
103-U	103-U		6-D	47-U
105-U	104-D	MOMONIIDAE	9-T	48-T",D,U
111-D,U	111-D,U		17-T,T",D	50-U
	112-T"	17-T,D	18-D	51-U
		55-T",D,U	19-D,U	52-T,T",D,U
NEOTORRENTI- COLIDAE	ATUROIDEA	69-T	26-D	53-D
		92-D	31-T,D	64-D,U
17-T,T"			43-U	72-T,U
	ATURIDAE	NEOACARIDAE	55-T",D,U	73-D,U
			64-U	81-D
PIONIDAE	17-T,T",D	17-D	66-T"	83-D
	19-D	55-T",D,U	69-T,T",D	91-D
1-U	26-D	69-T,T"	83-D	93-T,T",D
6-D	43-U	92-D	89-T,D	94-D,U
9-D	55-T",D,U	NIPPONACARIDAE	92-T,D	95-U
10-U	66-T"		98-D,U	97-D,U
11-U	89-T,T",D	69-T"	103-U	98-U
17-T,T",D	92-T,D		104-D	104-D,U
18-D		UCHIDASTYGACARIDAE	111-D	105-U
19-D,U			112-T"	109-T",D,U
26-D	AXONOPSIDAE	17-D		111-T,T",D
31-T,D		55-T",D,U	HUNGAROHYDRA- CARIDAE	
43-U	6-D	69-T,T"		CANESTRINOIDEA
55-T",D,U	17-T,T",D		17-D	
64-U	18-D	ACALYPTONOTOIDEA	55-T",D,U	23-T,T",D,U
69-T,T",D	19-D		69-T,T"	50-U
83-D	26-D	ACALYPTONOTIDAE		
89-T,D	43-U	17-D		CANESTRINIIDAE
92-T,D	55-T",D,U	55-D		
98-D,U	64-U	92-D	ACARIDEI	
103-T,U	69-T,T",D			7-U
104-D	89-T,D	ATHIENEMAN- NIIDAE	32-D,U	9-U
105-U	92-T,D		91-U	12-T,T",D
107-D,U	103-U	17-T,T",D	112-D	16-D,U
111-D,U	111-D	43-U	115	18-T,T",D
		55-T",D	116	19-T,D,U
PONTARACHNIDAE	MIDEOPSOIDEA	69-T,T",D	117	23-T,T",D,U
		92-D	125	39-D
1-T			126	43-U
17-T,T",D	KANTACARIDAE	HARPAGOPALPIDAE	130	64-U
18-D			133	69-U
43-U		17-T,T"	149	93-D
92-T,D	MIDEIDAE	55-T",D,U	153	97-T",U
104-D		69-T,T"	157	104-U
	17-D		163	106-T",D
	19-D	KRENDOWSKIIDAE		111-D
UNIONICOLIDAE	43-U		ANOETOIDEA	112-T
	55-D	17-T,T",D		
1-U	69-T	55-D	ANOETIDAE	HEMISARCOPTIDAE
6-D	92-D	69-T		
9-D	98-U		1-T,T",D,U	7-D
17-T,T",D	111-U		4-T",D	9-D
18-T,T",D		BOGATOIDEA	7-U	10-D
19-D,U			9-T,D,U	11-D
26-D	MIDEOPSIDAE		10-U	16-D
43-U		BOGATIIDAE	12-T,T",D,U	19-D
55-T",D,U	6-D		16-D,U	23-T,T",D,U
64-U	17-T,T",D	HORREOLANIDAE	18-T",D	40-T,T"
66-T"	18-D		19-T,D,U	43-U
69-T,T",D	19-D	17-T"	23-T,T",D,U	64-U
83-D	26-D	69-T"	33-D	104-D
89-T,D	43-U		40-D	
92-T,D	55-T",D,U			

LINOBIIDAE	CARPOGLYPHIDAE	CTENOGLYPHIDAE con't.	GLYCYPHAGIDAE con't.	ROSENSTEIN- IIDAE con't.
12-D	1-D		73-D	50-U
15-U	7-U	19-D	77-D	57-U
19-D	9-D	23-T,T",D,U	81-D	64-U
23-T,T",D,U	12-D	52-D	82-U	67-D
43-U	16-D	72-D	83-D	69-T,T"
67-U	18-D	77-D	88-D	72-T
69-D	19-D	83-D	91-U	106-T",D
	23-T,T",D,U	104-D	94-U	111-D
ACAROIDEA	40-D,U	111-D	95-U	
	50-U		97-D,U	SAPROGLYPHIDAE
22-T,T",D,U	52-D	EWINGIDAE	98-D,U	
23-T,T",D,U	58-D		104-D	1-T,T"
42-D,U	71-D	7-D	105-U	7-U
45-D,U	72-D	23-T,T",D,U	106-D,U	9-D,U
57-U	73-D	48-D	107-D,U	12-T,T",D,U
65-U	77-D	50-U	111-D	16-U
92-D	81-D	57-T",D	112-T",D	19-D
183	83-D	64-U		23-T,T",D,U
	88-D	69-D,U		48-U
	94-U	71-D,U	HYADESIIDAE	50-U
ACARIDAE	95-U	72-T		52-T,T",D,U
	98-D,U	104-D	1-T,D	58-D
1-T,T",D,U	104-D	107-D,U	18-D	64-U
4-D	106-D,U		23-T,T",D,U	67-U
6-D	111-D	FUSCARIDAE	43-U	72-T
7-D,U			50-U	81-D
8-U	CHAETODACTYLIDAE	12-D	72-T	83-D
9-D,U		19-U	95-U	97-D,U
10-D,U	9-U	23-T,T",D,U	97-U	104-D,U
11-D,U	12-D	72-T	104-U	108-D
12-T,T",D,U	16-U	83-D		111-D
16-D,U	19-D,U	98-D,U	HYPODERIDAE	
18-D	23-T,T",D,U	104-D		LISTROPHOROIDEA
19-T,T",D,U	48-U		12-T,T"	
23-T,T",D,U	72-D	GLYCYPHAGIDAE	14-D	36-D,U
29-U	73-D		23-T,T",D,U	172
30-D	83-D	1-T,D	69-U	
33-T,T",D,U	104-D	4-D	112-T"	CHIRORHYNCHO- BIIDAE
39-D,U	105-U	7-D,U		
40-T,T",D,U	111-D	9-D,U	LABIDOPHORIDAE	57-T",D
43-U		10-D		69-T"
47-D,U	CHORTOGLYPHIDAE	11-D	9-D,U	71-T"
48-T",D,U		12-T,T",D,U	12-T",D,U	
50-U	7-U	16-D,U	18-D	LISTROPHORIDAE (s.s1.)
51-U	12-D	18-T",D	19-D	
52-T,T",D,U	16-U	19-T,D,U	23-T,T",D,U	1-T,T",D
53-D	18-D	20-D	30-T,T",D	4-T,T",D,U
64-U	19-D	23-T,T",D,U	34-D,U	8-U
67-T,T"	23-T,T",D,U	29-U	36-D	9-D,U
72-T,D,U	33-D	30-T,T",D,U	50-U	10-D
73-D	50-U	33-D	57-T",U	12-T,T",D,U
77-D,U	52-D	34-U	64-U	14-D
81-D	64-U	36-D	67-D,U	18-T",D
83-D	72-D	39-D,U	83-D	19-T,D
88-T,T",D	73-D	43-U	104-D,U	20-T,T",D
91-T",D,U	77-D	47-D,U	106-D,U	29-U
93-T,T",D	81-D	48-U	111-D	30-D
94-D,U	83-D	50-U		34-D,U
95-U	97-D	52-D,U	ROSENSTEIN- IIDAE	39-T",D,U
97-D,U	104-D	57-D,U		43-U
98-D,U	108-D	58-D	12-T,T",D	45-T",U
104-D,U	111-D	64-U	23-T,T",D,U	
105-U		67-D,U		48-U
106-D,U	CTENOGLYPHIDAE	69-T",D		
107-D,U				
108-D				
111-D				
112-T	12-T"	72-D		

LISTROPHORIDAE (s.sl.) con't.	LEMURNYSSIDAE	YUNKERACARIDAE	DERMOGLYPHIDAE con't.	PROCTOPHYLLO- DIDAE con't.
50-U	71-T"	30-T,T",D	64-D,U	11-U
57-D,U	72-T"	57-D	67-D,U	12-T,T",D,U
64-U		71-T"	69-U	14-T,T",D,U
67-T,D,U	LOBALGIDAE	72-T	98-D,U	18-T",D
69-D			104-U	19-T,D,U
72-T	30-T,T"	ANALGOIDEA	105-U	20-T",D
83-D	72-T"	7-U	106-T,T",D,U	23-D,U
91-U		22-T,T",D,U	107-D,U	30-D,U
95-U	PNEUMOCOPTIDAE	23-D,U	111-T,T",D,U	43-U
97-D,U		34-D,U		48-T,T",D,U
98-U		36-D	EPIDERMLOPTIDAE	50-T",U
100-D	45-D	39-U		60-T,T",D,U
104-U	57-D	57-U		64-D,U
105-U	71-T"	67-U	1-D	65-U
106-T,T",D,U	72-T	92-T",D	8-U	67-D,U
107-D,U		118	9-D	69-T,T",D
111-D,U	PSOROPTIDAE	120	11-D,U	83-D
112-T			14-T",D,U	91-U
	1-T,T"	ANALGIDAE	18-T",D	95-U
MYOLOPTIDAE	4-D		19-T,D,U	97-U
	8-U	1-U	20-D	98-D,U
4-D	12-D	9-D	23-D,U	104-U
11-D	14-T,T",D	12-T,D,U	30-T,D	105-U
12-T,T",D,U	18-D	14-T,T",D,U	39-T",D,U	106-T",D,U
18-T",D	19-D	18-D	45-T",D	107-T",D,U
20-T,T ,D	29-D	19-T,T",D,U	50-U	108-D
23-D,U	30-T,T",D	20-D	64-U	111-T,T",D,U
29-U	34-U	23-D,U	67-D,U	112-T,T"
30-T,T",D,U	39-D,U	30-D	69-U	
34-U	43-U	39-D	83-D	TURBINOPTIDAE
39-D	45-D	45-D	104-U	
45-D	48-D,U	48-T,T",U	105-U	4-T",D
48-U	57-D	50-U	106-T,T",D,U	7-U
50-U	64-D,U	60-D,U	107-U	9-D
64-U	67-D	64-D,U	111-D,U	23-D,U
67-D,U	69-T",D	65-U	112-T	50-U
69-T",D	82-D,U	67-D,U		67-D,U
83-D	83-D	69-U	FREYANIDAE	72-T
91-D	91-D	83-D		104-D
100-D	95-U	91-U	7-D,	
104-D	97-D	95-U	12-T,D,U	SARCOPTOIDEA
106-D,U	98-D,U	97-U	14-T,T",D,U	
108-D	104-D	98-D,U	18-D	EVANSACARIDAE
111-U	105-U	104-U	19-D	
	106-D	105-U	20-D	KNEMIDOCOPTIDAE
RHYNCOPTIDAE	108-D	106-T,T",D,U	23-D,U	
	111-D	107-D,U	48-T,T",U	
		108-D	50-U	
		111-T,T",D,U	60-D,U	
PSOROPTOIDEA	PYROGLYPHIDAE		64-U	4-D
		DERMOGLYPHIDAE	67-U	7-D
50-U	4-D		69-U	12-D
	9-D	8-U	83-D	18-D
AUDYCOPTIDAE	14-T,T",D	9-D	104-U	19-D
	18-D	11-D	105-U	20-D
72-T"	30-T,T",D	12-T,T",D,U	106-T",D,U	45--D
97-T	33-D	14-T,T",D,U	107-U	50-U
	34-D	18-D	111-T,T",D,U	57-D
GASTRONYSSIDAE	45-D	19-T,T",D,U		64-D
	71-D	20-D	PROCTOPHYLLO- DIDAE	67-D,U
18-D	72-T	23-D,U		69-U
57-T",D	81-D	30-D	1-D,U	72-D
71-T"	88-D	48-T,T",U	7-D	83-D
72-T"	97-U	50-U	9-D	95-U
	104-D	60-D,U		97-T",D
				98-D,U

KNEMIDOCOPTIDAE con't.	LAMINOSIOPTIDAE	PALEACAROIDEA con't.	PARHYPOCHTHON- IIDAE con't.	COSMOCHTHON- IIDAE con't.
104-D	1-U	82-U	43-U	87-D,U
111-D	8-U	97-U	65-D	111-D
	19-D		72-T	
	50-U		82-D,U	
SARCOPTIDAE	71-D	ACARONYCHIDAE	87-D	HAPLOCHTHONIIDAE
	91-D		92-T,D	
1-D		43-U	104-U	5-D
2-T	ORIBATEI	48-U		11-D
4-D		71-D		48-U
6-D	1-U	72-T	ENARTHRONOTA	65-D
7-D	8-U	87-D		71-D
8-U	15-U	95-D	82-D,U	87-U
10-D	16-D,U	104-U		
12-T,T'',D,U	21-U	108-D		
18-D	23-T,T'',D,U			HETEROCHTHONIIDAE
19-D	24-D			
20-D	29-U	CTENACARIDAE	ATOPOCHTHONIIDAE	72-T
29-D	33-U		5-T	76-D
30-T,T'',D,U	34-U	5-U	10-D	
39-T'',D,U	36-U	9-U	11-D	
45-D	40-U	11-U	65-D	
48-D,U	43-U	71-D	71-D	HYPOCHTHONIIDAE
50-U	50-U	87-D		
57-D	63-D,U	104-U	BRACHYCHTHON- IIDAE	1-T,D
64-D,U	64-U	108-D		5-D
67-T,D,U	69-U			9-U
69-D	71-D,U			10-D
72-D	75-T,D,U	PALEACARIDAE		11-D,U
83-D	82-D,U		5-D	13-D
91-D	86-T,T'',D,U	5-D,U	9-U	18-D
95-U	91-U	9-U	10-D,U	19-D
97-T,T'',D	93-T'',D	10-D	11-D,U	21-D
98-D,U	97-U	11-D,U	13-D,U	43-U
104-D	98-U	64-U	18-D,U	64-U
105-U	104-U	65-D	19-D	65-D
106-D,U	112-D	71-D	21-D	67-U
107-U	115	72-T	38-U	71-D
108-D,U	116	76-D	43-U	73-D
111-D	122	82-D,U	48-D,U	76-D
	124	104-D,U	65-T'',D,U	79-T'',D
TEINOCOPTIDAE	127	107-U	72-T	82-D,U
	128	108-D	76-D,U	83-D
1-D	130		82-D,U	87-D,U
4-T'',D	131		83-D	92-T,D
12-D	133	PARHYPOCHTHON- IOIDEA	87-U	95-D,U
29-D	136		92-T,D	97-U
39-D	137		95-U	98-U
57-D	139	43-U	97-D,U	104-D
67-T,D,U	140	82-U	104-D	105-U
	143		105-U	107-U
	149		111-D	108-D
CYTODITOIDEA	151	GEHYPOCHTHONIIDAE		111-D
45-D	157		COSMOCHTHONIIDAE	
	171	5-U		
	182	10-D	5-D	
		11-D	9-U	PTEROCHTHON- IIDAE
CYTODITIDAE	ORIBATEI INFER- IORES	65-D	10-D	
8-U		72-T	11-D,U	5-D
19-D	23-T,T'',D,U	79-D	18-D	10-D
50-U	32-T,T'',D,U		19-D,U	11-D,U
64-U		PARHYPOCHTHON- IIDAE	38-U	19-D
83-D	PALEACAROIDEA		43-U	65-D
97-D		5-D,U	65-T'',D,U	71-D
104-D	5-U	10-D	67-U	
111-D	43-U	11-D,U	79-T,T'',D	
112-T''			81-D	
			82-D	

SPHAEROCHTHON- IIDAE	EUPHTHIRACARIDAE con't.	EPILOHMANN- IIDAE con't.	PERLOHMANN- IIDAE con't.	HERMANNIIDAE con't.
5-D	13-D,U	65-D,U	95-D,U	94-U
21-D	18-D	67-T,D	104-U	95-D,U
38-U	19-D	71-U	108-D	97-D,U
43-U	38-U	72-T		98-D
71-D	48-U	79-T"		104-D,U
87-U	65-D,U	87-U	NOTHROIDEA	108-D
95-D	67-T,T",D	95-D,U		111-D
107-U	71-D,U	97-U	18-D	112-T,T"
	72-T	104-D	82-U	
	76-D	105-U		
PROTOPLOPHOROIDEA	79-T,T",D,U	111-D		HOLONOTHRIDAE
	82-D,U	112-T		
	83-D		CAMISIIDAE	21-D
PROTOPLOPHORIDAE	87-U			71-U
	95-T",D,U	EULOHMANNIIDAE	1-T	
43-U	104-U		5-T,D,U	
71-U	112-T	5-D	7-U	MALACONOTHRIDAE
		9-D,U	9-D,U	5-U
		10-D	10-D,U	9-U
MESOPLOPHOROIDEA	PHTHIRACARIDAE	11-D	11-D,U	10-D,U
82-U	7-U	13-D	13-D	11-U
	9-U	18-D	18-D	13-D,U
	10-D,U	19-D	19-D	18-D,U
	11-D,U	52-D	21-D	19-D,U
ARCHOPLOPHORIDAE	13-D,U	65-D,U	43-U	21-D
	18-T,D	71-D	48-D,U	38-U
10-D	19-D,U	73-D	52-D	43-U
11-D	21-D,U	76-D	64-U	47-U
65-D	38-U	82-D	65-D,U	48-U
	43-U	87-U	67-T,D	65-D,U
	48-U	92-D	71-D	67-U
MESOPLOPHORIDAE	64-U	95-D,U	72-T	71-D,U
	65-D,U	97-U	73-D	73-D
5-T,U	67-T,T"	104-D	76-D	76-D
11-D	71-D,U		79-T",D	79-T",D
43-U	72-T	LOHMANNIIDAE	82-D,U	82-D,U
48-D,U	73-D		83-D	83-D
67-U	76-D	1-T	87-U	87-D,U
71-D	82-D,U	5-T	92-D	92-D
82-D,U	83-D	9-U	94-U	95-D,U
87-U	87-U	19-D	95-T",D,U	97-U
95-D,U	91-U	21-D	97-U	104-U
104-U	92-D	43-U	98-U	111-D
	95-T",D,U	48-U	104-U	
	97-U	52-D	105-U	
PHTHIRACAROIDEA	98-T"	64-U	107-U	
	104-D,U	65-D,U	111-D	NANHERMANNIIDAE
50-T"	107-U	67-U	112-T	5-D
52-D,U	108-D	71-U		9-U
82-U	111-D	79-T"	HERMANNIIDAE	10-D,U
	112-T,T"	82-T		11-D,U
		87-D,U	5-D,U	13-D
		95-D,U	9-D,U	18-D,U
COLLOHMANNIIDAE		98-U	13-D	19-D
79-T"	LOHMANNIOIDEA	104-D,U	18-T,D	21-D
82-D		105-U	19-D	48-D,U
95-D,U		107-U	43-U	52-D
	EPILOHMANNIDAE	112-T,T"	48-D,U	65-D,U
	5-D		52-D	67-U
EUPHTHIRACARIDAE	19-D	PERLOHMANNIIDAE	71-D	71-D,U
	21-D		73-D	73-D
5-D,U	48-D	5-D	76-D	76-D
9-T,U	64-U	11-D	79-T",D	79-T,T",D
10-D,U		71-U	82-D,U	82-D,U
11-D,U		82-D	83-D	83-D
			92-D	87-U

NANHERMANIIDAE con't.	ORIBATEI CIRCUMDE- HISCENTIAE	EREMAEIDAE con't.	GYMNODAMAEIDAE	AMEROBELBIDAE
92-D	15-U	18-D	5-D,U	5-U
95-T",D,U	23-T,T",D,U	19-D,U	9-D,U	19-U
97-U	32-T,T",D,U	21-D	10-D,U	52-D
104-U	50-U	43-U	11-U	82-U
111-D	106-U	47-U	19-D,U	
		52-U	38-U	
		64-U	48-U	CTENOBELBIDAE
		65-D,U	65-D,U	
NOTHRIDAE	PYCNONOTICAE	67-D	71-U	5-U
5-D,U	7-U	71-U	72-T	79-T"
9-U	82-U	73-D	79-T,T",D	82-D,U
10-D,U		76-D	82-D,U	87-U
11-D,U		79-T,T",D	87-U	
13-D	NEOLIODOIDEA	82-D,U	92-D	
19-D,U		83-D	95-T",D,U	DAMAEOLIDAE
21-D		87-U	112-T	
43-U	NEOLIODIDAE	92-D		5-U
47-U		95-T",D,U		13-D,U
48-U	5-D	97-U	LICNOBELBIDAE	19-D
52-D	6-D	98-U		
65-D,U	9-U	104-U	5-U	
67-T,U	11-U	107-U	79-T,T",D	EREMOBELBIDAE
71-D,U	13-U	111-D	82-D,U	
72-T	19-T",D	112-T,T"		5-U
73-D	21-D		LICNODAMAEIDAE	9-D
76-D	43-U	HERMANIELLOIDEA		10-D
79-T,T",D	65-D,U		5-U	11-D
81-D	67-T	43-U	9-U	13-U
82-D,U	71-U	82-U	48-U	19-D
83-D	79-T",D		79-T",D	21-U
87-D,U	82-D,U	HERMANNIELLIDAE	82-D,U	38-U
92-D	83-D		87-U	65-D,U
95-T",D,U	87-U	5-D,U	95-T",D,U	71-D
97-U	95-T",D,U	9-U		72-T
104-D	97-U	11-D,U	LIODIDAE	79-T"
108-D	104-U	13-D		87-U
111-D	111-D	19-D	67-T,T"	92-D
112-T,T",D	112-T,T"	43-U	111-D	95-D,U
		48-U		104-D
TRHYPOCHTHONIIDAE	ZETORCHESTOIDEA	52-D		EREMULIDAE
5-D,U		64-U	PLATEREMAEIDAE	5-U
9-D,U	ZETORCHESTIDAE	65-D,U		11-D,U
10-D		71-D	19-D,U	65-D,U
11-D	5-D	76-D	71-U	82-D,U
19-D,U	19-D	79-T",D	82-D,U	87-U
21-D	43-U	82-D,U	87-U	95-D,U
38-U	48-U	87-U	97-U	
43-U	71-D	95-T",D,U	104-U	UNGROUPE
48-D	79-D	97-D,U		FAMILIES
52-D	82-D,U	104-U		
65-D,U	111-D		AMEROBELBOIDEA	32-T,T",D,U
67-D		PLASMOBATIDAE	92-T,D	50-U
71-D,U				
73-D	EREMAEOIDEA	11-U		ASTEGISTIDAE
76-D		52-D	AMERIDAE	
79-T,T",D		71-U		5-D
82-D,U	EREMAEIDAE	87-U	5-U	10-D
87-U			13-D	19-D
92-T,D	5-T,D,U		43-U	38-U
105-U	7-U	PLATEREMAEOIDEA	71-D	48-D,U
111-D	9-D,U		73-D	52-D
	10-D,U	52-U	82-D,U	65-D,U
	11-U	82-U	111-D	82-D,U
	12-D			95-D,U
	13-D,U			111-D

AUTOGNETIDAE	CEPHEIDAE con't.	DAMAEIDAE con't.	HYDROZETIDAE con't.	MICROZETIDAE con't.
5-U	13-D,U	82-D,U	19-D	
9-D,U	18-D	87-U	43-U	95-T'',D,U
19-D	19-D	95-D,U	52-D	112-T
65-D,U	43-U	97-U	71-D	
82-D,U	48-U	104-U	82-D,U	
95-D,U	52-D	108-D	83-D	NIPHOCEPHEIDAE
	65-D,U	111-D	95-T'',D,U	
BASIOBELBIDAE	71-D	112-T	111-D	5-U
	72-T			65-D,U
	76-D			82-D,U
13-D,U	79-T'',D	DAMPFIELLIDAE	LIACARIDAE	
21-D	82-D,U			
48-U	83-D	5-U	1-U	
	87-U	9-U	5-D,U	NOTASPIDAE
CALEREMAEIDAE	92-T,D	71-U	7-U	1-T''
	95-D,U	87-D,U	9-D,U	
	104-U		10-D,U	
5-U	108-D		11-D,U	OPPIIDAE
19-D	111-D	EREMELLIDAE	12-D	
65-D,U	112-T,T''		13-D,U	5-T,U
79-T'',D		5-U	18-D,U	7-U
82-D,U		79-D	19-D,U	9-D,U
92-D	CERATOPPIIDAE	82-D,U	43-U	10-D,U
			48-D,U	11-D,U
CARABODIDAE	5-D,U	EUTEGAEIDAE	52-D	13-D,U
	9-D,U		65-D,U	18-D
	10-D,U	1-T	71-U	19-D
5-D,U	11-U	13-D	72-T	21-D
9-D,U	13-D,U	65-D,U	73-D	38-U
10-D,U	19-D	67-T	76-D	47-U
11-D,U	21-D	71-U	79-T,T'',D	48-D,U
13-D,U	43-U	72-T	82-D,U	52-U
18-D	48-D	82-D,U	83-D	65-D,U
19-D	52-D	95-T'',D,U	92-T,D	67-T,T'',U
21-D	65-D,U		95-T'',D,U	71-D,U
38-U	72-T	GUSTAVIIDAE	97-U	72-T
43-U	76-D		104-U	73-D
47-U	79-T'',D		107-U	76-D,U
48-D,U	82-D,U	5-D,U	111-D,U	79-T,T'',D
52-D	83-D	9-U	112-T,T''	82-D,U
64-U	87-U	10-U		83-D
65-D,U	92-D	13-D	LIMNOZETIDAE	87-U
67-T,T'',D	95-D,U	18-D		92-D
71-D	97-D	19-D	5-D	95-T'',D,U
72-T	111-D	43-U	19-D	104-D,U
73-D	112-T	52-D	43-U	105-U
76-D		71-D	71-D	108-D
79-T,T'',D	DAMAEIDAE	76-D	82-D,U	111-D,U
81-D		79-T'',D	92-D	112-T,T''
82-D,U	5-D,U	82-D,U		
83-D	6-D	83-D		OTOCEPHEIDAE
87-U	9-U	95-T'',D,U	METRIOPPIIDAE	
92-D	10-D,U	97-U		5-U
95-D,U	11-D	104-U	1-T	21-D
97-D,U	13-D,U	111-D		38-U
104-U	18-D			43-U
105-U	19-D	HETEROBELBIDAE	MICROZETIDAE	67-T
107-U	21-D			71-U
111-D,U	43-U		5-T,U	87-U
112-T,T''	48-U	71-D	19-D	92-D
	52-D	87-D,U	38-U	
CEPHEIDAE	64-U		43-U	
	65-D,U	HYDROZETIDAE	48-U	PELOPPIIDAE
5-D,U	71-U		52-U	
9-D,U	72-T	5-D	71-U	9-U
10-D	76-D	13-U	82-D	10-U
11-D	79-T,T''		87-U	11-U

PELOPPIIDAE con't.	TENUIALIDAE con't.	CYMBÆEREMAEIDAE con't.	PODACARIDAE con't.	ACHIPTERIIDAE con't.
13-U	98-T''	64-U	21-D	
43-U	104-D,U	65-D,U	43-U	9-D,U
48-U	111-D	67-T,D	52-D	10-U
52-D,U		71-D	67-D	11-U
65-D,U		76-D	71-D	13-D,U
79-T,T'',D	THYRISOMIDAE	79-T'',D		19-D,U
82-D,U		82-D,U	SCUTOVERTICIDAE	43-U
83-D	5-U	83-D		48-U
95-D,U	9-D,U	92-T,D	5-T;D,U	52-D
97-U	13-D	95-T'',D,U	13-D,U	65-D,U
98-D	19-D	97-U	19-D	71-D,U
104-U	65-D,U	104-U	21-D	72-T
108-D	76-D	107-U	43-U	76-D
111-D	82-D,U	111-D	48-D,U	79-T'',D
112-T,T''	83-D		52-D	82-D,U
		FORTUYNIIDAE	71-D	83-D
POLYPTEROZETIDAE	TOKUNOCEPHEIDAE		76-D	87-U
5-T		52-D	79-T,T'',D	92-T,D
11-U	TRIZETIDAE	71-D	82-D,U	95-T'',D,U
		LICNEREMAEIDAE	83-D	104-U
RHYNCHORIBATIDAE	PORONOTICAE		92-D	PHENOPELOPIDAE
71-D	43-U	5-U	111-D	5-D,U
87-U	50-U	13-D	112-T,T''	19-D,U
	82-U	18-D,U	SELENORIBATIDAE	48-U
SUCTOBELBIDAE	LOWER PLICATES	19-D	52-D	71-D,U
5-D,U	32-T,T'',D,U	48-U		72-T
9-U	43-U	65-D,U	TECTOCEPHEIDAE	82-D,U
10-T'',D,U	82-U	76-D	5-D,U	105-U
11-D,U		79-T'',D	9-D,U	
13-U	AMERONOTHRIDAE	82-D,U	10-D,U	TEGORIBATIDAE
16-D		87-U	11-D,U	5-D
19-D	9-D,U	MICREREMIDAE	13-D,U	9-D,U
43-U	19-D	5-D	19-D	11-U
47-U	21-D	9-D	21-D	12-D
48-U	43-U	13-D,U	38-U	19-D
52-U	52-D	19-D	43-U	48-U
65-D,U	71-D	65-D,U	48-D,U	52-D,U
71-D,U	76-D	73-D	52-D	65-D,U
72-T	82-D,U	76-D	65-D,U	71-D
73-D,U	95-T'',D,U	79-T,D	71-D,U	72-T
76-D,U	111-D	82-D,U	73-D	79-T'',D
79-T,T'',D		83-D	76-D	82-D,U
82-D,U		111-D	79-T,T'',D	95-T'',D,U
92-D	CHARASSOBATIDAE	PASSALOEZETIDAE	82-T,D,U	
95-T'',D,U			83-D	APOPHEREDERMES
111-D	5-U	5-D,U	87-U	
112-T,T''	71-D	13-U	92-D	ORIBATELLIDAE
	87-U	19-D	95-T'',D,U	5-D,U
TENUIALIDAE	95-T'',D,U	21-D	104-D	9-D,U
9-U		52-D	HIGHER PLICATES	11-D,U'
12-D	CYMBÆEREMAEIDAE	65-D,U	32-D,U	13-D,U
19-D		79-T,T'',D	43-U	18-D
48-U	5-D	82-T,D,U	82-U	19-T,T'',D
52-D,U	7-U	92-D		32-D,U
65-D,U	9-D	95-T'',D,U	ACHIPTERIIDAE	43-U
71-D	13-D			48-D,U
72-T	19-D	PODACARIDAE	1-T	50-U
76-D	43-U	5-U	5-D,U	52-D,U
95-T'',D,U	52-D			64-U
97-D,U				65-D,U

ORIBATELLIDAE con't.	ORIBATULIDAE	STELECHOBATIDAE	EUZETIDAE con't.	UNGROUPED FAMILIES
71-D,U	1-T		52-D	
72-T	5-D,U	MACROSCLEROSAE	71-D	50-U'
76-D	9-D,U		73-D	
79-T,T'',D	10-D	18-T,T'',D	76-D	
82-D,U	11-D,U	32-T,T'',D,U	82-D,U	CALOPPIIDAE
83-D	13-D,U	43-U	83-D	
87-U	18-D	50-U	95-D,U	21-D
92-D	19-T,T'',D,U	82-U	111-D	
94-U	21-D			
95-T'',D,U	38-U			EPACTOZETIDAE
98-U	43-U	CERATOZETIDAE	GALUMNIDAE	
104-U	47-U			38-D,U
107-U	48-U	5-D,U	5-U	71-U
108-D	52-T,D,U	9-D,U	9-U	87-D,U
111-D	64-U	10-D,U	10-D,U	
112-T,T''	65-D,U	11-U	11-D,U	
	67-T,T'',D	13-D,U	13-D,U	
	71-D,U	18-T,D,U	18-D,U	ZETOMOTRICHIDAE
	72-T	19-T'',D,U	19-D,U	
EXCENTROSCLEROSAE	73-D	21-D	21-D	5-U
	76-D	38-U	38-U	
32-D,U	79-T,T'',D	43-U	39-T'',D	
43-U	82-D,U	48-D,U	43-U	
50-U	83-D	52-T,T'',D,U	47-U	
82-U	87-U	64-U	48-U	
	92-T,D	65-T'',D,U	52-T,T'',D,U	
	94-U	67-T,T'',D	64-U	
HAPLOZETIDAE	95-T'',D,U	71-D,U	65-D,U	
	97-U	72-T	67-T,T''	
1-T	98-U	73-D	71-D,U	
5-T,D,U	104-U	76-D	72-T	
9-D,U	107-U	79-T,T'',D	73-D	
10-D,U	108-D	82-D,U	76-D	
11-D,U	111-D	87-U	79-T,T'',D	
18-T,T'',D		92-T,D	82-D,U	
19-D,U		95-D,U	87-U	
21-D	ORIPODIDAE	97-U	92-D	
38-U		98-U	94-U	
48-U	5-U	104-U	95-D,U	
52-T'',D,U	11-U	107-U	97-U	
64-U	47-U	111-D	98-U	
65-D,U	48-U	112-T,T''	104-D,U	
67-T	52-D,U		105-U	
71-D	65-D,U	CHAMOBATIDAE	107-U	
72-T	71-D,U		108-D	
87-D,U	72-T	5-D,U	111-D	
92-D	95-T'',D,U	9-D	112-T	
95-D,U	107-U	10-U		
97-U		11-D,U	MYCOBATIDAE	
104-U	PARAKALUMMIDAE	13-D,U		
112-T,T''		19-D	5-U	
	5-U	52-D,U	9-D,U	
MOCHLOZETIDAE	10-U	71-D	10-U	
	21-D	73-D	13-U	
19-D,U	48-U	76-D	19-D	
21-D	65-D,U	79-T'',D	21-D	
52-D,U	71-D	82-D,U	48-U	
71-U	72-T	83-D	52-D,U	
87-U	87-D,U	92-D	65-D,U	
	97-U	111-D	71-D	
	112-T,T'',D		73-D	
NEOTRICHZOZETIDAE		EUZETIDAE	76-D	
			79-T'',D	
71-D	SELLNICKIIDAE	5-U	82-D,U	
		13-D	92-T,D	
	111-T,T'',D	19-D,U	111-D	

II. HOLDINGS OF INDIVIDUAL COLLECTIONS

The information in this section identifies the collection with a unique code number for cross reference purposes, identifies the acarologist(s) currently associated with the collection, provides the location of the collection, and describes the holdings of the collection in terms of:

T = Primary type material

T" = Secondary type material

D = Determined, non-type material

U = Undetermined material

An asterisk (*) preceding the taxonomic group indicates material deposited by a deceased or inactive acarologist. The name of the acarologist(s) can be found at the end of the collection listing.

Detailed information was not available for collections 113-186, 189. Entries for these listings is principally derived from Acarologists of the World to indicate the general scope of the holdings.

It should be noted that an entry indicating type material or determined non-type material of a superfamily or higher category means that all families of that group are represented in the collection. In contrast, an entry indicating undetermined material of a superfamily or higher category means that the material has not been identified to the family level.

1-Mr. D. C. Lee, South Australia Museum, North Terrace, Adelaide, South Australia, 5000.

Parasitiformes	ANYSTOIDEA cont'd.	EYLAOIDEA
HOLOTHYRINA	Heterocheylidae-T,T"	Eylaidae-D
Holothyridae-T,T",D	Pseudocheylidae-T,T"	Limnocharidae-T,D
SEJINA	Pterygosomidae-T,T"	HYDRYPHANTOIDEA
Ichthyostomato-	Teneriffiidae-T,T"	Hydryphantidae-U
gasteridae-T,D	BDELLOIDEA	Thyasidae-T,T"
GAMASINA	Bdellidae-T,T",D,U	LEBERTIOIDEA
Ameroseiidae-T,T"	Cunaxidae-D	Lebertiidae-U
Ascidae-T,T"	CAECULOIDEA	HYGROBATOIDEA
Dermanyssidae (s.st.)-D	Caeculidae-T"	Pionidae-U
Discozerconidae-U	CHEYLETOIDEA	Pontarachnidae-T
Haemogamasidae-D	Cheyletidae-T,T",D	Unionicolidae-U
Halarachnidae-D	Demodicidae-D	
Hystriehonyssidae-T"	Myobiidae-T,T",D	Acaridei
Iphiopsidae-T",D	Syringophilidae-U	ANOETOIDEA
Laelapidae-T,T",D,U	ERIOPHYOIDEA	Anoetidae-T,T",D,U
Macrochelidae-T,T",D,U	Eriophyidae-D	ACAROIDEA
Pachylaelapidae-T,T",U	EUPODOIDEA	Acaridae-T,T",D,U
Parasitidae-T,T",D,U	Eupodidae-D	Carpoglyphidae-D
Phytoseiidae-T,T",D,U	Penthaleidae-D	Glycyphagidae-T,D
Raillietidae-D	Penthalodidae-T,T",D	Hyadesiidae-T,D
Rhinonyssidae-D	Rhagidiidae-D,U	Saproglyphidae-T,T"
Rhodacaridae-T,T",D,U	HALACAROIDEA	LISTROPHOROIDEA
Spinturnicidae-T",D,U	Halacaridae-D	Listrophoridae (s.sl.)-T,T",D
Veigalidae-T,T",D,U	LABIDOSTOMMOIDEA	PSOROPTOIDEA
Zerconidae-D	Labidostommidae-T,T",D	Psoroptidae-T,T"
UROPODINA-T,T",D,U	RAPHIGNATHOIDEA	ANALGOIDEA
DIARTHROPHALLINA	Cryptognathidae-D	Analgidae-U
Diarthrophallidae-T,T",D	Hemocaligidae-T"	Epidermoptidae-D
ANTENNOPHORINA	Neophyllobiidae-T,T"	Proctophyllodidae-D,U
Celaenopsidae-T,T",U	Raphignathidae-D	SARCOPTOIDEA
Diplogyniidae-T,T",D,U	Stigmaeidae-T",D	Sarcoptidae-D
Euzerconidae-D	Tarsocheylidae-T"	Teinocoptidae-D
Fedrizzidae-T,T",D	TETRANYCHOIDEA	CYTODITOIDEA
Klinckostroemiidae-T,T",D	Tenuipalpidae-T,T",D	Laminosioptidae-U
Megisthanidae-T,T",D,U	Tetranychidae-T,T",D,U	Oribatei-U
Paramegistidae-T,T"	Tuckerellidae-T,D	ENARTHRONOTA
Parantennulidae-T,T"	TYDEOIDEA	Hypochthoniidae-T,D
IXODOIDEA	Ereynetidae-T,T",D	LOHMANNIOIDEA
Argasidae-D,U	Tydeidae-T	Lohmanniidae-T
Ixodidae-D,U	ERYTHRAEOIDEA	NOTHROIDEA
Endeostigmata	Calyptostomidae-D	Camisiidae-T
PACHYGNATHOIDEA	Erythraeidae-T,T",D,U	UNGROUPED FAMILIES
Lordalychidae-T,T"	Smaridiidae-T,T",D	Eutegaeidae-T
Nanorchestidae-T,T",D	TROMBIDIOIDEA	Liacaridae-U
Pachygnathidae-T,T",D	Johnstonianidae-D,U	Metrioppiidae-T
TARSONEMOIDEA	Trombiculidae-T,T",D,U	Notaspidae-T"
Podapolipodidae-D,U	Trombidiidae-T,T",D,U	PORONOTICAE
Pyemotidae-D,U	Hydrachnellae	HIGHER PLICATES
Scutacaridae-T"	HYDRACHNOIDEA	Achipteriidae-T
Tarsonemidae-D	Hydrachnidae-D,U	EXCENTROSCLEROSAE
ANYSTOIDEA		Haplozetidae-T
Anystidae-T,T",D		Oribatulidae-T

2-Dr. Ronald Monroe, Queensland Museum, Gregory Terrace, Fortitude Valley 4006, Queensland, Australia.

Parasitiformes	GAMASINA cont'd.	TROMBIDIOIDEA
GAMASINA	Pachylaelapidae-T	Trombiculidae-T
Ascidae-T	Rhodacaridae-T	Acaridei
Dermanyssidae (s.st.)-T	IXODOIDEA	SARCOPTOIDEA
Discozerconidae-T	Ixodidae-T,D	Sarcoptidae-T
Epicriidae-T	TETRANYCHOIDEA	
Laelapidae-T	Tetranychidae-T	
Neoparasitidae-T		

3-Dr. D. F. Waterhouse, C.S.I.R.O., Division of Entomology, P.O. Box 109, Canberra City, A.C.T., 2601, Australia.

Parasitiformes
GAMASINA
Phytoseiidae-U
Prostigmata-U
ANYSTOIDEA
Anystidae-T",D,U

BDELLOIDEA
Bdellidae-T,T",D,U
Cunaxidae-U
EUPODOIDEA-U
Eupodidae-D
Penthaleidae-D

RAPHIGNATHOIDEA
Stigmaeidae-U
TETRANYCHOIDEA
Tetranychidae-U
TYDEOIDEA-U
ERYTHRAEOIDEA
Erythraeidae-U
Oribatei-U

4-Dr. Robert Domrow, Queensland Institute of Medical Research, Herston Road, Herston N. 9, Brisbane, Queensland, Australia.

Parasitiformes
HOLOTHYRINA
Holothyridae-D
SEJINA
Ichthyostomato-
gasteridae-D
GAMASINA
Dermanyssidae (s.st.)-D
Discozerconidae-T",D
Halarachnidae-D
Hystrihonyssidae-T",D
Laelapidae-T",D,U
Macronyssidae-T",D,U
Rhinonyssidae-T",D
Spinturnicidae-T",D,U
IXODOIDEA
Argasidae-D
Ixodidae-D

TARSONEMOIDEA
Pyemotidae-D
ANYSTOIDEA
Anystidae-D
CHEYLETOIDEA
Cheyletidae-D
Myobiidae-D
LABIDOSTOMMOIDEA
Labidostommidae-D
TETRANYCHOIDEA
Tetranychidae-D
TYDEOIDEA
Ereynetidae-T",D
TROMBIDIOIDEA
Trombiculidae-T",D,U
Trombidiidae-D

Acaridei
ANOETOIDEA
Anoetidae-T",D
ACAROIDEA
Acaridae-D
Glycyphagidae-D
LISTROPHOROIDEA
Listrophoridae (s.sl.)-T,T",D,U
Myocoptidae-D
PSOROPTOIDEA
Psoroptidae-D
Pyroglyphidae-D
ANALGOIDEA
Turbinoptidae-T",D
SARCOPTOIDEA
Knemidocoptidae-D
Sarcoptidae-D
Teinocoptidae-T",D

5-Dr. Eduard Piffel, I. Zoologisches Institut der Universität Wien, Dr. Karl Lueger-Ring 1, Vienna 1, Austria, A-1010.

Prostigmata
CAECULOIDEA
Caeculidae-T,U
Oribatei
PALEACAROIDEA-U
Ctenacaridae-U
Paleacaridae-D,U
PARHYPOCHTHONIOIDEA
Gehypochthoniidae-U
Parhypochthoniidae-D,U
ENARTHRONOTA
Atopochthoniidae-T
Brachychthoniidae-D
Cosmochthoniidae-D
Haplochthoniidae-D
Hypochthoniidae-D
Pterochthoniidae-D
Sphaerochthoniidae-D
MESOPLOPHOROIDEA
Mesoplophoridae-T,U
PHTHIRACAROIDEA
Euphthiracaridae-D,U
LOHMANNIOIDEA
Epilohmanniidae-D
Eulohmanniidae-D
Lohmanniidae-T
Perlohmanniidae-D
NOTHROIDEA
Camisiidae-T,D,U
Hermannidae-D,U
Malaconothridae-U

NOTHROIDEA cont'd.
Nanhermanniidae-D
Nothridae-D,U
Trhypochthoniidae-D,U
NEOLIOIDOIDEA
Neoliodidae-U
ZETORCHESTOIDEA
Zetorchestidae-D
EREMAEOIDEA
Eremaeidae-T,D,U
HERMANIELLOIDEA
Hermannelliidae-D,U
PLATEREMAEOIDEA
Gymnodamaeidae-D,U
Licnobelbidae-U
Licnodamaeidae-U
AMEROBELBOIDEA
Ameridae-U
Amerobelbidae-U
Ctenobelbidae-U
Damaeolidae-U
Eremobelbidae-U
Eremulidae-U
UNGROUPED FAMILIES
Astegistidae-D
Autogentidae-U
Caleremaeidae-U
Carabodidae-D,U
Cepheidae-D,U
Ceratoppiidae-D,U

UNGROUPED FAMILIES cont'd.
Damaeidae-D,U
Dampfelliidae-U
Eremelliidae-U
Gustaviidae-D,U
Hydrozetidae-D
Liacaridae-D,U
Limnozeteidae-D
Microzetidae-T,U
Niphocephidae-U
Oppiidae-T,U
Octocephidae-U
Polypterozetidae-T
Suctobelbidae-D,U
Thyrisomidae-U
PORONOTICAE
LOWER PLICATES
Charassobatidae-U
Cymbaeremaeidae-D
Licneremaeidae-U
Micreremidae-D
Passalozetidae-D,U
Podacaridae-U
Scutoverticidae-T,D,U
Tectocephidae-D,U
HIGHER PLICATES
Achipteriidae-D,U
Phenopelopidae-D,U
Tegoribatidae-D

(continued next page)

5-continued: Dr. Eduard Piffel, I. Zoologisches Institut der Universität Wien, Dr. Karl Lueger-Ring 1, Vienna 1, Austria A-1010.

APOPHEREDERMES	EXCENTROSCLEROSAE cont'd.	MACROSCLEROSAE cont'd.
Oribatellidae-D,U	Oripodidae-U	Euzetidae-U
EXCENTROSCLEROSAE	Parakalumnidae-U	Galumnidae-U
Haplozetidae-T,D,U	MACROSCLEROSAE	Mycobatidae-U
Oribatulidae-D,U	Ceratozetidae-D,U	UNGROUPED FAMILIES
	Chamobatidae-D,U	Zetomotrichidae-U

6-Dr. G. Pretzmann, Naturhistorisches Museum, Burgrig 7, Vienna 1, Austria A-1014

Opilioacariformes	HALACAROIDEA	HYGROBATOIDEA
Opilioacaridae-U	Halacaridae-U	Limnesiidae-D
Parasitiformes	TETRANYCHOIDEA	Pionidae-D
HOLOTHYRINA	Tetranychidae-D,U	Unionicolidae-D
Holothyridae-U	ERYTHRAEOIDEA	ATUROIDEA
GAMASINA	Erythraeidae-D	Axonopsidae-D
Laelapidae-D	TROMBIDIOIDEA	MIDEOPSOIDEA
*Macronyssidae-T,D	Trombidiidae-D,U	Mideopsidae-D
*Spinturnicidae-T,D	Hydrachnellae	ARRENUROIDEA
UROPODINA-D	HYDRACHNOIDEA	Arrenuridae-D
IXODOIDEA	Hydrachnidae-D	ACAROIDEA
Argasidae-D,U	EYLAOIDEA	Acaridae-D
*Ixodidae-T,D,U	Limnocharidae-D	SARCOPTOIDEA
BDELLOIDEA	HYDRYPHANTOIDEA	Sarcoptidae-D
Bdellidae-D	Hydrodromidae-D	Oribatei
ERIOPHYOIDEA	Hydryphantidae-D	NEOLIODOIDEA
**Eriophyidae-U	LEBERTIOIDEA	Neoliodidae-D
EUPODOIDEA	Oxidae-D	UNGROUPED FAMILIES
Rhagidiidae-D		Damaeidae-D

* = Kolenati Collection, in part.

** = Nalepa Collection

7-Dr. Carlos H.W. Flechtmann, Departamento de Zoologia, Escola Superior de Agricultura "Luiz de Queiroz" Universidade de Sao Paulo, Piracicaba, Sao Paulo, Brazil.

Parasitiformes	TARSONEMOIDEA	TETRANYCHOIDEA
SEJINA-U	Podapolipodidae-U	Tenuipalpidae-T,D
Sejidae-U	Pyemotidae-T,D	Tetranychidae-T,T",D
GAMASINA	Tarsonemidae-T,D	Tuckerellidae-D
Ascidae-U	ANYSTOIDEA	TYDEOIDEA
Dermanyssidae (s.st.)-U	Anystidae-U	Tydeidae-T,T",D,U
Haemogamasidae-U	Pseudocheyleidae-T	ERYTHRAEOIDEA
Ixodorhynchidae-U	Pterygosomidae-U	Erythraeidae-U
Laelapidae-U	Teneriffiidae-D	TROMBIDIOIDEA
Macrochelidae-U	BDELLOIDEA	Trombidiidae-U
Pachylaelapidae-U	Bdellidae-U	Acaridei
Parasitidae-U	Cunaxidae-U	ANOETOIDEA
Phytoseiidae-T",D	CAECULOIDEA	Anoetidae-U
Podocinidae-U	Caeculidae-U	CANESTRINOIDEA
Rhodacaridae-U	CHEYLETOIDEA	Canestriniidae-U
Veigaiidae-U	Cheyletidae-T,D,U	Hemisarcoptidae-D
UROPODINA-U	ERIOPHYOIDEA	ACAROIDEA
DIARTHROPHALLINA	Eriophyidae-T"	Acaridae-D,U
Diarthrophallidae-U	EUPODOIDEA	Carpoglyphidae-U
ANTENNOPHORINA	Eupodidae-U	Chortoglyphidae-U
Celaenopsidae-U	Penthalodidae-U	Ewingidae-D
Diplogyniidae-U	Rhagidiidae-U	Glycyphagidae-D,U
Klinckostroemiidae-U	RAPHIGNATHOIDEA	Saproglyphidae-U
Megisthanidae-D	Caligonellidae-D	ANALGOIDEA-U
IXODOIDEA	Cryptognathidae-T	Freyanidae-D
Argasidae-U	Neophyllobiidae-U	Proctophyllodidae-D
Ixodidae-U	Raphignathidae-U	Turbinoptidae-U
	Stigmaeidae-D	

(continued next page)

7-continued: Dr. Carlos H.W. Flechtmann, Departamento de Zoologia, Escola Superior de Agricultura "Luiz de Queiroz", Universidade de Sao Paulo, Piracicaba, Sao Paulo, Brazil.

SARCOPTOIDEA
Knemidocoptidae-D
Sarcoptidae-D
Oribatei
Oribatei Inferiores-U
PHTHIRACAROIDEA
Phthiracaridae-U

NOTHROIDEA
Camisiidae-U
PYCNONOTICAE-U
EREMAEOIDEA
Eremaeidae-U

UNGROUPED FAMILIES
Liacaridae-U
Oppiidae-U
PORONOTICAE
LOWER PLICATES
Cymbaeremaeidae-U

8-Dra. T.J. Heitzmann-Fontenelle, Parasitologia, Instituto Butantan, C.S.T.E., Caixa Postal 65, Sao Paulo, Brasil.

Parasitiformes
GAMASINA
Dasyponyssidae-U
Dermanyssidae (s.st.)-U
Discozerconidae-U
Entonyssidae-U
Haemogamasidae-U
Halarachnidae-U
Heterozerconidae-U
Ixodorhynchidae-U
Laelapidae-U
Macronyssidae-U
Parasitidae-U
Raillietidae-U
Rhinonyssidae-U
Spelaeorhynchidae-U
Spinturnichidae-U

IXODOIDEA
Argasidae-U
Ixodidae-U
ANYSTOIDEA
Pterygosomidae-U
CHEYLETOIDEA
Cheyletidae-U
Demodicidae-U
Myobiidae-U
ERIOPHYOIDEA
Eriophyidae-U
TETRANYCHOIDEA
Tetranychidae-U
ERYTHRAEOIDEA
Erythraeidae-U
TROMBIDIOIDEA
Trombiculidae-U

Acaridei
ACAROIDEA
Acaridae-U
LISTROPHOROIDEA
Listrophoridae (s.sl.)-U
SOROPTOIDEA
Psoroptidae-U
ANALGOIDEA
Dermoglyphidae-U
Epidermoptidae-U
SARCOPTOIDEA
Sarcoptidae-U
CYTODITOIDEA
Cytoditidae-U
Laminosioptidae-U
Oribatei-U

9-Dr. Evert E. Lindquist, Entomology Research Institute, K.W. Neatby Building, Ottawa 3, Ontario, Canada.

Opilioacariformes
Opilioacaridae-U
Parasitiformes
SEJINA
Sejidae-U
Uropodellidae-U
GAMASINA
Ameroseiidae-T,D,U
Arctacaridae-D,U
Ascidae-T,D,U
Dermanyssidae (s.st.)-D
Epicriidae-U
Eviphididae-D,U
Haemogamasidae-D,U
Halarachnidae-D
Halolaelapidae-U
Iphiopsidae-U
Laelapidae-D,U
Macrochelidae-D,U
Macronyssidae-D
Microgyniidae-U
Otopheidomenidae-T,D
Pachylaelapidae-D,U
Parasitidae-U
Parholaspidae-U
Phytoseiidae-T,D
Podocinidae-D,U
Rhinonyssidae-D
Rhodacaridae-T,D,U
Spinturnicidae-D
Veigaiidae-D,U
Zerconidae-D,U

UROPODINA-D,U
ANTENNOPHORINA
Celaenopsidae-T,D
Cercomegistidae-T
Euzerconidae-U
Hoplomegistidae-U
IXODOIDEA
Argasidae-D
Ixodidae-D
Endeostigmata
PACHYGNATHOIDEA
Alichorhagiidae-D,U
Lordalychidae-U
Nanorchestidae-D,U
Pachygnathidae-D,U
TARSONEMOIDEA
Podapolipodidae-U
Pyemotidae-D,U
Scutacaridae-U
Tarsonemidae-T,D,U
ANYSTOIDEA
Anystidae-U
BDELLOIDEA
Bdellidae-D,U
Cunaxidae-D,U
CAECULOIDEA
Caeculidae-U
CHEYLETOIDEA
Cheyletidae-T,D,U
Harpyrhynchidae-D
Myobiidae-D
Psorergatidae-T,D

ERIOPHYOIDEA
Eriophyidae-T,D,U
EUPODOIDEA
Eupodidae-D,U
Penthaleidae-D,U
Penthalodidae-D,U
Rhagidiidae-D,U
LABIDOSTOMMOIDEA
Labidostommidae-U
RAPHIGNATHOIDEA
Cryptognathidae-D,U
Eupalopsellidae-D,U
Neophyllobiidae-U
Raphignathidae-D,U
Stigmaeidae-D,U
TETRANYCHOIDEA
Tetranychidae-T,D
TYDEOIDEA
Ereynetidae-D,U
Tydeidae-T,D,U
ERYTHRAEOIDEA
Erythraeidae-T,D,U
TROMBIDIOIDEA
Johnstonianidae-D
Trombiculidae-D
Trombididae-T,D,U
EYLAOIDEA
Eylidae-T
HYDRYPHANTOIDEA
Hydryphantidae-T
LEBERTIOIDEA
Lebertidae-T
Sperchonidae-T

(continued next page)

9-continued: Dr. Evert E. Lindquist, Entomology Research Institute, K.W. Neatby Building, Ottawa 3, Ontario, Canada.

HYGROBATOIDEA
 Feltriidae-T
 Hygrobatidae-T,D
 Limnesiidae-T,D
 Pionidae-D
 Unionicolidae-D
 ARRENUROIDEA
 Arrenuridae-T
 Acaridei
 ANOETOIDEA
 Anoetidae-T,D,U
 CANESTRINOIDEA
 Canestriniidae-U
 Hemisarcoptidae-D
 ACAROIDEA
 Acaridae-D,U
 Carpoglyphidae-D
 Chaetodactylidae-U
 Glycyphagidae-D,U
 Labidophoridae-D,U
 Saproglyphidae-D,U
 LISTROPHOROIDEA
 Listrophoridae (s.sl.)-D,U
 PSOROPTOIDEA
 Pyroglyphidae-D
 ANALGOIDEA
 Analgidae-D
 Dermoglyphidae-D
 Epidermoptidae-D
 Proctophyllodidae-D
 Turbinoptidae-D

Oribatei
 PALEACAROIDEA
 Ctenacaridae-U
 Paleacaridae-U
 ENARTHRONOTA
 Brachychthoniidae-U
 Cosmochthoniidae-U
 Hypochthoniidae-U
 PHTHIRACAROIDEA
 Euphthiracaridae-T,U
 Phthiracaridae-U
 LOHMANNIOIDEA
 Eulohmanniidae-D,U
 Lohmanniidae-U
 NOTHROIDEA
 Camisiidae-D,U
 Hermannidae-D,U
 Malaconothridae-U
 Nanhermanniidae-U
 Nothridae-U
 Trhypochthoniidae-D,U
 NEOLIODOIDEA
 Neoliodidae-U
 EREMAEOIDEA
 Eremaeidae-D,U
 HERMANIELLOIDEA
 Hermannelliidae-U
 PLATEREMAEOIDEA
 Gymnodamaeidae-D,U
 Licnodamaeidae-U
 AMEROBELBOIDEA
 Eremobelbidae-D

UNGROUPED FAMILIES
 Autognetidae-D,U
 Carabodidae-D,U
 Cepheidae-D,U
 Ceratoppiidae-D,U
 Damaeidae-U
 Dampfiellidae-U
 Gustaviidae-U
 Liacaridae-D,U
 Oppiidae-D,U
 Peloppiidae-U
 Suctobelbidae-U
 Tenuialidae-U
 Thyrisomidae-D,U
 PORONOTICAE
 LOWER PLICATES
 Ameronothridae-D,U
 Cymbaeremaeidae-D
 Micreremidae-D
 Tectocephidae-D,U
 HIGHER PLICATES
 Achipteridae-D,U
 Tegoribatidae-D,U
 APOPHEREDERMES
 Oribatellidae-D,U
 EXCENTROSCLEROSAE
 Haplozetidae-D,U
 Oribatulidae-D,U
 MACROSCLEROSAE
 Ceratozetidae-D,U
 Chamobatidae-D
 Galumnidae-U
 Mycobatidae-D,U

10-Dr. Valin G. Marshall, Forest Research Laboratory, 506 West Burnside Road, Victoria, B.C., Canada.

Parasitiformes
 SEJINA
 Sejidae-D
 Uropodellidae-D,U
 GAMASINA
 Ameroseiidae-D,U
 Ascidae-D,U
 Dermanyssidae (s.st.)-D,U
 Eviphididae-U
 Laelapidae-D,U
 Macrochelidae-D,U
 Macronyssidae-D,U
 Neoparasitidae-D,U
 Parasitidae-D,U
 Parholaspididae-T",D,U
 Phytoseiidae-D,U
 Rhodacaridae-D,U
 Spinturnicidae-D
 Veigaiidae-D,U
 Zerconidae-D,U
 UROPODINA-D,U
 IXODOIDEA
 Ixodidae-U
 Endeostigmata
 PACHYGNATHOIDEA
 Alichorhagiidae-D,U
 Lordalychidae-D
 Nanorchestidae-D,U

PACHYGNATHOIDEA cont'd.
 Pachygnathidae-D,U
 Sphaerolichidae-U
 TARSONEMOIDEA
 Pyemotidae-D,U
 Scutacaridae-D,U
 Tarsonemidae-D,U
 ANYSTOIDEA
 Anystidae-D,U
 BDELLOIDEA
 Bdellidae-D,U
 Cunaxidae-D,U
 CHEYLETOIDEA
 Cheyletidae-D,U
 Myobiidae-D,U
 ERIOPHYOIDEA
 Eriophyidae-D,U
 EUPODOIDEA
 Eupodidae-D,U
 Rhagidiidae-D,U
 RAPHIGNATHOIDEA
 Stigmaeidae-D,U
 Tarsocheylidae-T",D
 TETRANYCHOIDEA
 Tenuipalpidae-D,U
 Tetranychidae-D,U

TYDEOIDEA
 Ereynetidae-D,U
 Tydeidae-T",D,U
 ERYTHRAEOIDEA
 Erythraeidae-D,U
 Smaridiidae-U
 TROMBIDIOIDEA
 Trombiculidae-D,U
 Trombidiidae-D,U
 HYGROBATOIDEA
 Pionidae-U
 Acaridea
 ANOETOIDEA
 Anoetidae-U
 CANESTRINOIDEA
 Hemisarcoptidae-D
 ACAROIDEA
 Acaridae-D,U
 Glycyphagidae-D
 LISTROPHOROIDEA
 Listrophoridae (s.sl.)-D
 SARCOPTOIDEA
 Sarcoptidae-D
 Oribatei
 PALEACAROIDEA
 Paleacaridae-D

(continued next page)

10-continued: Dr. Valin G. Marshall, Forest Research Laboratory, 506 West Burnside Road, Victoria, B.C., Canada.

PARHYPOCHTHONIOIDEA
 Gehypochthoniidae-D
 Parhypochthoniidae-D
 ENARTHRONOTA
 Atopochthoniidae-D
 Brachychthoniidae-D,U
 Cosmochthoniidae-D
 Hypochthoniidae-D
 Pterochthoniidae-D
 MESOPLOPHOROIDEA
 Archoplophoridae-D
 PHTHIRACAROIDEA
 Euphthiracaridae-D,U
 Phthiracaridae-D,U
 LOHMANNIOIDEA
 Eulohmanniidae-D
 NOTHROIDEA
 Camisiidae-D,U

NOTHROIDEA cont'd.
 Malaconothridae-D,U
 Nanhermanniidae-D,U
 Nothridae-D,U
 Trhypochthoniidae-D
 EREMAEOIDEA
 Eremaeidae-D,U
 PLATEREMAEOIDEA
 Gymnodamaeidae-D,U
 AMEROBELBOIDEA
 Eremobelbidae-D
 UNGROUPED FAMILIES
 Astegistidae-D
 Carabodidae-D,U
 Cepheidae-D
 Ceratoppiidae-D,U
 Damaeidae-D,U
 Gustaviidae-U

UNGROUPED FAMILIES cont'd.
 Liacaridae-D,U
 Oppiidae-D,U
 Peloppiidae-U
 Suctobelbidae-T",D,U
 PORONOTICAE
 LOWER PLICATES
 Tectocephidae-D,U
 HIGHER PLICATES
 Achipteridae-U
 EXCENTROSCLEROSAE
 Haplozetidae-D,U
 Oribatulidae-D
 Parakalummidae-U
 MACROSCLEROSAE
 Ceratozetidae-D,U
 Chamobatidae-U
 Galumnidae-D,U
 Mycobatidae-U

11-Dr. Stuart B. Hill, Department of Zoology, Box 86, Macdonald College, Quebec, Canada.

Parasitiformes
 GAMASINA
 Ameroseiidae-U
 Arctacaridae-D
 Ascidae-D,U
 Dermanyssidae (s.st.)-D
 Epicriidae-U
 Eviphididae-D,U
 Haemogamasidae-D
 Laelapidae-D,U
 Macrochelidae-D,U
 Macronyssidae-D,U
 Neoparasitidae-D
 Pachylaelapidae-U
 Parasitidae-D,U
 Parholaspidae-T",D,U
 Phytoseiidae-D,U
 Podocinidae-D,U
 Rhinonyssidae-D
 Rhodacaridae-T",D,U
 Spinturnicidae-D
 Veigaiidae-D,U
 Zerconidae-D,U
 UROPODINA-D,U
 ANTENNOPHORINA
 Diplogyniidae-D,U
 Euzerconidae-D,U
 Klinckostroemiidae-D
 Endeostigmata
 PACHYGNATHOIDEA
 Alichorhagiidae-D,U
 Lordalychidae-U
 Nanorchestidae-U
 Pachygnathidae-U
 TARSONEMOIDEA
 Podapolipodidae-D
 Pyemotidae-D,U
 Scutacaridae-U
 Tarsonemidae-U
 BDELLOIDEA
 Bdellidae-D,U
 Cunaxidae-D,U

CHEYLETOIDEA
 Cheyletidae-U
 Myobiidae-D
 ERIOPHYOIDEA
 Eriophyidae-D,U
 EUPODOIDEA
 Eupodidae-U
 Rhagidiidae-U
 RAPHIGNATHOIDEA
 Raphignathidae-D
 Stigmaeidae-D,U
 TETRANYCHOIDEA
 Tetranychidae-D,U
 TYDEOIDEA
 Tydeidae-D,U
 TROMBIDIOIDEA
 Trombiculidae-D
 Trombidiidae-D,U
 Hydrachnellae
 HYDRACHNOIDEA
 Hydrachnidae-U
 HYGROBATOIDEA
 Pionidae-U
 Acaridei
 CANESTRINOIDEA
 Hemisarcoptidae-D
 ACAROIDEA
 Acaridae-D,U
 Glycyphagidae-D
 LISTROPHOROIDEA
 Myocoptidae-D
 ANALGOIDEA
 Dermoglyphidae-D
 Epidermoptidae-D,U
 Proctophyllodidae-U
 Oribatei
 PALEACAROIDEA
 Ctenacaridae-U
 Paleacaridae-D,U
 PARHYPOCHTHONIOIDEA
 Gehypochthoniidae-D
 Parhypochthoniidae-D,U

ENARTHRONOTA
 Atopochthoniidae-D
 Brachychthoniidae-D,U
 Cosmochthoniidae-D,U
 Haplochthoniidae-D
 Hypochthoniidae-D,U
 Pterochthoniidae-D,U
 MESOPLOPHOROIDEA
 Archoplophoridae-D
 Mesoplophoridae-D
 PHTHIRACAROIDEA
 Euphthiracaridae-D,U
 Phthiracaridae-D,U
 LOHMANNIOIDEA
 Eulohmanniidae-D
 Perlohmanniidae-D
 NOTHROIDEA
 Camisiidae-D,U
 Malaconothridae-U
 Nanhermanniidae-D,U
 Nothridae-D,U
 Trhypochthoniidae-D
 NEOLIODOIDEA
 Neoliodidae-U
 EREMAEOIDEA
 Eremaeidae-U
 HERMANIELLOIDEA
 Hermannelliidae-D,U
 Plasmobatidae-U
 PLATEREMAEOIDEA
 Gymnodamaeidae-U
 AMEROBELBOIDEA
 Eremobelbidae-D
 Eremulidae-D,U
 UNGROUPED FAMILIES
 Carabodidae-D,U
 Cepheidae-D
 Ceratoppiidae-U
 Damaeidae-D
 Liacaridae-D,U
 Oppiidae-D,U
 Peloppiidae-U

(continued next page)

11-continued: Dr. Stuart B. Hill, Department of Zoology, Box 86, Macdonald College, Quebec, Canada.

UNGROUPED FAMILIES cont'd.

Polypterozetidae-U

Suctobelbidae-D,U

PORONOTICAE

LOWER PLICATES

Tectocephidae-D,U

HIGHER PLICATES

Achipteriidae-U

Tegoribatidae-U

APOPHEREDERMES

Oribatellidae-D,U

EXCENTROSCLEROSAE

Haplozetidae-D,U

EXCENTROSCLEROSAE cont'd.

Oribatulidae-D,U

Oripodidae-U

MACROSCLEROSAE

Ceratozetidae-U

Chamobatidae-D,U

Galumnidae-D,U

12-*Dr. B. Rosicky, Director, Czechoslovak Academy of Sciences, Institute of Parasitology, Prague 6, Flemingovo Nam. 2, Czechoslovakia.

Parasitiformes

SEJINA

Sejidae-D

GAMASINA

Ameroseiidae-D,U

Ascidae-T,T",D

Dermanyssidae (s.st.)-T,T",D

Eviphididae-D,U

Haemogamasidae-D

Halarachnidae-D

Laelapidae-T,T",D,U

Macrochelidae-T,T",D,U

Macronyssidae-T,T",D,U

Microgyniidae-D

Otopheidomenidae-D

Pachylaelapidae-D,U

Parasitidae-D,U

Parholaspidae-U

Phytoseiidae-D,U

Rhinonyssidae-T,T",D,U

Rhodacaridae-T",D,U

Spelaeorhynchidae-D

Spinturnicidae-T,T",D,U

Veigaiidae-D

Zerconidae-D

UROPODINA-D,U

DIARTHROPHALLINA

Diarthrophallidae-D

ANTENNOPHORINA

Celaenopsidae-D

Diplogyniidae-T,T",D,U

Fedrizziidae-U

IXODOIDEA

Argasidae-T,D

Ixodidae-T,D,U

TARSONEMOIDEA

Podapolipodidae-D

Pyemotidae-D,U

Scutacaridae-D,U

Tarsonemidae-D,U

ANYSTOIDEA

Pterygosomidae-U

BDELLOIDEA

Bdellidae-D,U

Cunaxidae-D

CHEYLETOIDEA

Cheyletidae-T,T",D,U

Harpyrhynchidae-T,T",D

Myobiidae-T,T",D,U

EUPODOIDEA

Eupodidae-U

LABIDOSTOMMOIDEA

Labidostommidae-U

RAPHIGNATHOIDEA

Cryptognathidae-D

TYDEOIDEA

Ereynetidae-T,T",D,U

ERYTHRAEOIDEA

Calyptostomidae-U

Erythraeidae-U

Smaridiidae-D

TROMBIDIOIDEA

Johnstonianidae-D

Trombiculidae-T,T",D,U

Trombidiidae-T,T",D,U

Acaridei

ANOETOIDEA

Anoetidae-T,T",D,U

CANESTRINOIDEA

Canestriniidae-T,T",D

Linobiidae-D

ACAROIDEA

Acaridae-T,T",D,U

Carpoglyphidae-D

Chaetodactylidae-D

Chortoglyphidae-D

Ctenoglyphidae-T"

Fusacaridae-D

Glycyphagidae-T,T",D,U

Hypoderidae-T,T"

Labidophoridae-T,T",D,U

Rosensteiniidae-T,T",D

Saproglyphidae-T,T",D,U

LISTROPHOROIDEA

Listrophoridae (s.sl.)-T,T",D,U

Myocoptidae-T,T",D,U

PSOROPTOIDEA

Psoroptidae-D

ANALGOIDEA

Analgidae-T,D,U

Dermoglyphidae-T,T",D,U

Freyanidae-T,D,U

Proctophyllodidae-T,T",D,U

SARCOPTOIDEA

Knemidocoptidae-D

Sarcoptidae-T,T",D,U

Teinocoptidae-D

Oribatei

EREMAEOIDEA

Eremaeidae-D

UNGROUPED FAMILIES

Liacaridae-D

Tenuialidae-D

PORONOTICAE

HIGHER PLICATES

Tegoribatidae-D

*Correspondence regarding loans or exchanges should be addressed to the Director, Dr. Rosicky, rather than the respective workers Drs. V. Cerny, M. Daniel, F. Dusbabek or K. Samsinak.

13-Dr. Philippe Lebrun, Laboratoire de Zoologie Systematique, 59 rue de Namur, Louvain, Belgium.

Oribatei

ENARTHRONOTA

Brachychthoniidae-D,U

Hypochthoniidae-D

PHTHIRACAROIDEA

Euphthiracaridae-D,U

Phthiracaridae-D,U

LOHMANNIOIDEA

Eulohmanniidae-D

NOTHROIDEA

Camisiidae-D

Hermanniidae-D

Malaconothridae-D,U

Nanhermanniidae-D

Nothridae-D

NEOLIODOIDEA

Neoliodidae-U

EREMAEOIDEA

Eremaeidae-D,U

HERMANIELLOIDEA

Hermanniellidae-D

AMEROBELBOIDEA

Ameridae-D

Damaeolidae-D,U

Eremobelbidae-U

(Continued next page)

13-continued: Dr. Philippe Lebrun, Laboratoire de Zoologie Systematique, 59 rue de Namur, Louvain, Belgium.

UNGROUPED FAMILIES

Basiobelbidae-D,U
Carabodidae-D,U
Cepheidae-D,U
Ceratoppiidae-D,U
Damaeidae-D,U
Eutegaeidae-D
Gustaviidae-D
Hydrozetidae-U
Liacaridae-D,U
Oppiidae-D,U
Peloppiidae-U

UNGROUPED FAMILIES cont'd.

Suctobelbidae-U
Thyrisomidae-D
PORONOTICAE
LOWER PLICATES
Cymbaeremaeidae-D
Licneremaeidae-D
Micreremidae-D,U
Passalozetidae-U
Scutoverticidae-D,U
Tectocephidae-D,U

HIGHER PLICATES

Achipteriidae-D,U
APOPHEREDERMES
Oribatellidae-D,U
EXCENTROSCLEROSAE
Oribatulidae-D,U
MACROSCLEROSAE
Ceratozetidae-D,U
Chamobatidae-D,U
Euzetidae-D
Galumnidae-D,U
Mycobatidae-U

14-Dr. Jean Gaud, Laboratoire de Parasitologie, Faculte de Medecine, 35 - Rennes, France

Acaridei

ACAROIDEA

Hypoderidae-D

LISTROPHOROIDEA

Listrophoridae (s. sl.)-D

PSOROPTOIDEA

Psoroptidae-T,T",D
Pyroglyphidae-T,T",D

ANALGOIDEA

Analgidae-T,T",D,U
Dermoglyphidae-T,T",D,U
Epidermoptidae-T",D,U
Freyanidae-T,T",D,U
Proctophyllodidae-T,T",D,U

15-Dr. Pierre Robaux, Laboratoire d'Ecologie generale, 4 avenue du Petit Chateau, 91-Brunoy, France.

Parasitiformes

SEJINA-U

GAMASINA-U

UROPODINA-U

DIARTHROPHALLINA-U

ANTENNOPHORINA-U

Endeostigmata

PACHYGNATHOIDEA-U

TARSONEMOIDEA-U

ANYSTOIDEA-U

BDELLOIDEA-U

CHEYLETOIDEA-U

EUPODOIDEA-U

LABIDOSTOMMOIDEA-U

RAPHIGNATHOIDEA-U

TETRANYCHOIDEA

Tetranychidae-D

Tuckerellidae-D

TYDEOIDEA-U

Nematalycidae-T

ERYTHRAEOIDEA

Calyptostomidae-U

Erythraeidae-U

Smaridiidae-U

TROMBIDIOIDEA

Johnstonianidae-T,T",D,U

Leeuwenhoeekiidae-T,T",D,U

Trombiculidae-T,T",D,U

Stygothrombiidae-T,T"

Tanaupodidae-T,T",D,U

Thrombellidae-T,T",D,U

Trombidiidae-T,T",D,U

HYDRYPHANTOIDEA

Thyasidae-D,U

Acaridei

CANESTRINOIDEA

Linobiidae-U

Oribatei-U

Orabatei Circumdehiscentiae-U

16-Dr. C. Athias-Henriot, INRA - Faune du Sol, 7, rue Sully, 21-Dijon, France.

Parasitiformes

SEJINA

Sejidae-D,U

Uropodellidae-T,T",D

GAMASINA

Ameroseiidae-D,U

Ascidae-T",D,U

Dermanyssidae (s.st.)-T,T",D

Epicriidae-D,U

Eviphididae-D,U

Haemogamasidae-D,U

Halolaelapidae-D,U

Heterozetidae-T,U

Laelapidae-D,U

Macrochelidae-D,U

Microgyniidae-U

Pachylaelapidae-D,U

Parasitidae-T,T",D,U

GAMASINA cont'd.

Parholaspidae-D,U

Phytoseiidae-T,T",D,U

Podocinidae-D,U

Rhodacaridae-D,U

Veigaiidae-T",D,U

Zerconidae-T",D,U

UROPODINA-U

ANTENNOPHORINA

Celaenopsidae-D,U

Cercomegistidae-U

Diplogyniidae-U

Euzerconidae-U

Hoplomegistidae-U

Megisthanidae-U

Paramegistidae-U

Parantennulidae-U

Schizogyniidae-U

IXODOIDEA

Ixodidae-D,U

Endeostigmata

PACHYGNATHOIDEA-U

TARSONEMOIDEA

Podapolipodidae-U

Pyemotidae-D,U

Scutacaridae-T",D,U

ANYSTOIDEA

Anystidae-U

Heterocheylidae-U

Pseudocheylidae-U

Pterygosomidae-U

Teneriffiidae-U

BDELLOIDEA

Bdellidae-D,U

Cunaxidae-D,U

CHEYLETOIDEA

Cheyletidae-D,U

(Continued next page)

16-continued: Dr. C. Athias-Henriot, INRA - Faune du Sol, 7, rue Sully, 21-Dijon, France.

ERIOPHYOIDEA	TETRANYCHOIDEA	CANESTRINOIDEA
Eriophyidae-U	Linotetranidae-U	Canestriniidae-D,U
EUPODOIDEA	Tenuipalpidae-D,U	Hemisarcoptidae-D
Eupodidae-U	Tetranychidae-D,U	ACAROIDEA
Penthaleidae-D,U	Tuckerellidae-U	Acaridae-D,U
Penthalodidae-U	TYDEOIDEA	Carpoglyphidae-D
Rhagidiidae-U	Ereynetidae-U	Chaetodactylidae-U
RAPHIGNATHOIDEA	Paratydeidae-U	Chortoglyphidae-U
Caligonellidae-U	Tydeidae-U	Glycyphagidae-D,U
Cryptognathidae-U	Parasitengona-U	Saproglyphidae-U
Eupalopsellidae-U	Acaridei	Oribatei-D,U
Neophyllobiidae-U	ANOETOIDEA-D,U	UNGROUPED FAMILIES
Raphignathidae-T",D,U		Suctobelbidae-D
Stigmaeidae-U		

17- Dr. Kurt O. Viets, Friedenstrasse 4, 294 Wilhelmshaven, Germany.

TROMBOIDIOIDEA-T	LEBERTIOIDEA	ATUROIDEA
HALACAROIDEA	Anisitsiellidae-T,T",D	Aturidae-T,T",D
Limnohalacaridae-T,T",D	Lebertiidae-T,T",D	Axonopsidae-T,T",D
TROMBIDIOIDEA	Oxidae-T,T",D	MIDEOPSOIDEA
Trombidiidae-T	Pseudohydryphantidae-T,T"	Mideidae-D
*Hydrachnellae	Sperchonidae-T,T",D	Mideopsidae-T,T",D
HYDROVOLZIOIDEA	Teutoniidae-D	Momoniidae-T,D
Hydrovolziidae-T,T",D	Torrenticolidae-T,T",D	Neoacaridae-D
HYDRACHNOIDEA	HYGROBATOIDEA	Uchidastygacaridae-D
Hydrachnidae-T,T",D	Astacocrontoridae-D	ACALYPTONOTOIDEA
EYLAOIDEA	Feltriidae-T,T",D	Acalyptonotidae-D
Eylaidae-T,T",D	Hygrobatidae-T,T",D	Athienemanniidae-T,T",D
Limnocharidae-T,D	Limnesiidae-T,T",D	Harpagopalpidae-T,T"
Piersigiidae-T,D	Nautarachnidae-D	Krendowskiidae-T,T",D
Protziidae-T,T",D	Neotorrenticolidae-T,T"	BOGATOIDEA
HYDRYPHANTOIDEA	Pionidae-T,T',D	Horreolanidae-T"
Hydrodromidae-T,T",D	Pontarachnidae-T,T",D	ARRENUROIDEA
Hydryphantidae-T,T",D	Unionicolidae-T,T",D	Arrenuridae-T,T",D
Thermacaridae-D		Hungarohydracaridae-D
Thyasidae-T,T",D		

*Karl Viets collection.

18-Dr. Gisela Rack, Zoologisches Staatsinstitut u. Zoologisches Museum, Von-Melle-Park 10, 2000 Hamburg 13, Germany.

1*Parasitiformes	GAMASINA cont'd.	TARSONEMOIDEA cont'd.
GAMASINA	Veigaiidae-D	Scutacaridae-T,T",D,U
Ameroseiidae-D,U	Zerconidae-U	Tarsonemidae-D,U
Ascaidae-T,T",D,U	UROPODINA-T,D,U	ANYSTOIDEA
Dermanyssidae (s.st.)-D	ANTENNOPHORINA	Anystidae-D
Epicriidae-D	Antennophoridae-D,U	Pseudocheylidae-U
Haemogamasidae-D	Celaenopsidae-T,T",D,U	Pterygosomidae-D
Halarachnidae-T,T",D,U	Diplogyniidae-D	BDELLOIDEA
Laelapidae-T",D,U	Fedrizzidae-D	Bdellidae-T,T",D,U
Macrochelidae-D,U	Megisthanidae-D,U	Cunaxidae-D,U
Macronyssidae-D	IXODOIDEA	CAECULOIDEA
Neoparasitidae-D	Argasidae-D	Caeculidae-D
Pachylaelapidae-U	Ixodidae-T,T",D,U	CHEYLETOIDEA
Parasitidae-T,D,U	Endeostigmata	Cheyletidae-D,U
Phytoseiidae-D,U	PACHYGNATHOIDEA	Demodicidae-D
Podocinidae-D,U	Nanorchestidae-D	Harpyrhynchidae-D
Rhodacaridae-D	Pachygnathidae-D,U	Myobiidae-T,T",D
Spelaeorhynchidae-T,T"	TARSONEMOIDEA	Psorergatidae-T",D
Spinturnicidae-D,U	Pyemotidae-T,T",D,U	

(Continued next page)

18-continued: Dr. Gisela Rack, Zoologisches Staatsinstitut u. Zoologisches Museum, Von-Melle-Park 10,
2000 Hamburg 13, Germany.

ERIOPHYOIDEA
Eriophyidae-T,T",D

EUPODOIDEA
Eupodidae-D,U
Rhagidiidae-D,U

HALACAROIDEA
2*Halacaridae-T,T",D,U

LABIDOSTOMMOIDEA
Labidostommidae-D

RAPHIGNATHOIDEA
Cryptognathidae-D
Raphignathidae-T,T",D
Stigmaeidae-D

TETRANYCHOIDEA
Tenuipalpidae-D,U
Tetranychidae-D

TYDEOIDEA
Ereynetidae-D,U
Tydeidae-D

ERYTHRAEOIDEA
Erythraeidae-T,D
Smaridiidae-T,D

TROMBIDIOIDEA
Trombiculidae-T",D
Trombidiidae-T,D

Hydrachnellae-U
HYDRACHNOIDEA
Hydrachnidae-D

EYLAOIDEA
Eylaidae-D
Limnocharidae-D

HYDRYPHANTOIDEA
Protziidae-D
Hydrodromidae-D
Hydryphantidae-D

LEBERTIOIDEA
Lebertiidae-D

HYGROBATOIDEA
Hygrobatidae-T,D
Limnesiidae-D
Pionidae-D

Pontarachnidae-D
Unionicolidae-T,T",D

ATUROIDEA
Axonopsidae-D

MIDEOPSOIDEA
Mideopsidae-D

ARRENURAE
Arrenuridae-D

Acaridei
ANOETOIDEA
Anoetidae-T",D

CANESTRINOIDEA
Canestriniidae-T,T",D

ACAROIDEA
Acaridae-D
Carpoglyphidae-D
Chortoglyphidae-D
Glycyphagidae-T",D
Hyadesiidae-D

Labidophoridae-D
Rosensteiniidae-D

LISTROPHOROIDEA
Listrophoridae (s.sl.)-T",D
Myocoptidae-T",D

PSOROPTOIDEA
Gastronyssidae-D
Psoroptidae-D
Pyroglyphidae-D

ANALGOIDEA
Analgaidae-D
Dermoglyphidae-D
Epidermoptidae-T",D
Freyanidae-D
Proctophyllodidae-T",D

SARCOPTOIDEA
Knemidocoptidae-D
Sarcoptidae-D

1*Oribatei
ENARTHRONOTA
Brachychthoniidae-D,U
Cosmochthoniidae-D
Hypochthoniidae-D

PHTHIRACAROIDEA
Euphthiracaridae-D
Phthiracaridae-T,D

LOHMANNIOIDEA
Eulohmanniidae-D

*NOTHROIDEA
Camisiidae-D
Hermannidae-T,D
Malaconothridae-D,U
Nanhermanniidae-D,U

EREMAEOIDEA
Eremaeidae-D

UNGROUPED FAMILIES
Carabodidae-D
Cepheidae-D
Damaeidae-D
Gustaviidae-D
Liacaridae-D,U
Oppiidae-D

PORONOTICAE
LOWER PLICATES
Licneremaeidae-D,U

APOPHEREDERMES
Oribatellidae-D
EXCENTROSCLEROSAE
Haplozetidae-T,T",D
Oribatulidae-D

MACROSCLEROSAE-T,T",D
Ceratozetidae-T,D,U
Galumnidae-D,U

1* = M. Sellnick Collection.

2* = K. Viets Collection.

19-Dr. H. Fechter, Department of Invertebrates, Zoologische Staatssammlung, Maria Ward Strasse 1b,
8 München 19, Germany.

Opiliocariformes
V*Opiliocaridae-D

Parasitiformes
SEJINA

VK*Sejidae-D,U

GAMASINA
VK*Ameroseiidae-D,U

VK*Ascidae-T",D,U

VKP*Dermanyssidae (s.st.)-T,T",D,U

V*Discozerconidae-D

VK*Epicriidae-D,U

VP*Eviphididae-T,D,U

VKP*Haemogamesidae-T,D,U

VP*Halarachnidae-T,T",D

VK*Halolaelapidae-T,T",D,U

V*Heterozerconidae-T,D

V*Iphiopsidae-D

V*Ixodorhynchidae-D

VKP*Laelapidae-T,T",D,U

VKP*Macrochelidae-T,T",D,U

V*Manitherionyssidae-T

VKP*Neoparasitidae-T,T",D,U

VK*Pachylaelapidae-T,D,U

VKP*Parasitidae-T,T",D,U

V*Parholaspidae-T

VKP*Phytoseiidae-D,U

VKP*Podocinidae-T,T",D,U

V*Rhinonyssidae-T,T",D

VK*Rhodacaridae-T,T",D,U

VK*Spinturnicidae-T,D,U

VKP*Veigaiidae-D

VKP*Zerconidae-D

UROPODINA

VK*Cillibidae-T,D,U

V*Circocyllibanidae-T"

V*Coxequesomidae-T"

VK*Discoureliidae-T,T"

V*Phaulodinychiidae-T,T",U

V*Planodiscidae-T"

VK*Prodinychiidae-T",D,U

V*Thinozerconidae-U

VK*Trachyuropodidae-T,D,U

VK*Trematuridae-D

VK*Urodiaspidae-D

VK*Urodinychiidae-T",D,U

VK*Uropodidae-T,T",D,U

V* = Vitzthum Collection.

K* = Kneissl Collection.

P* = Popp Collection.

(Continued next page)

19-continued: Dr. H. Fechter, Department of Invertebrates, Zoologische Staatssammlung, Maria Ward Strasse 1b, 8 München 19, Germany.

TRACHYTINA
 VK*Polyaspididae-D,U
 V*Polyaspidinidae-D
 VK*Trachytidae-T,D,U
 ANTENNOPHORINA
 VK*Antennophoridae-T,D
 VK*Celaenopsidae-T,T",D,U
 V*Cercomegistidae-T
 V*Euzerconidae-D
 V*Megisthanidae-T,D
 P*Paramegistidae-D
 K*Parantennulidae-D
 IXODOIDEA
 VKP*Argasidae-D
 VKP*Ixodidae-T,D,U
 Endeostigmata
 PACHYGNATHOIDEA
 VP*Nanorchestidae-D,U
 VK*Pachygnathidae-D,U
 TARSONEMOIDEA
 VK*Podapolipodidae-D,U
 VK*Pyemotidae-T,T",D,U
 VK*Scutacaridae-T,D,U
 VK*Tarsonemidae-T,D,U
 ANYSTOIDEA
 VKP*Anystidae-D,U
 VK*Pterygosomidae-T,D,U
 V*Teneriffiidae-D
 BDELLOIDEA
 VKP*Bdellidae-T,D,U
 VKP*Cunaxidae-T,T",D,U
 CAECULOIDEA
 VP*Caeculidae-T,D
 CHEYLETOIDEA
 VK*Cheyletidae-T,T",D,U
 V*Demodicidae-D
 VK*Harpyrhynchidae-D
 VK*Myobiidae-T,D,U
 V*Ophiopidae-U
 V*Psorergatidae-D
 VK*Syringophilidae-D,U
 ERIOPHYOIDEA
 VKP*Eriophyidae-D,U
 EUPODOIDEA
 VKP*Eupodidae-D,U
 V*Penthaleidae-D,U
 V*Penthalodidae-D
 VKP*Rhagidiidae-D,U
 HALACAROIDEA
 VK*Halacaridae-T,D,U
 LABIDOSTOMMOIDEA
 KP*Labidostommidae-D,U
 RAPHIGNATHOIDEA
 K*Caligonellidae-D
 VK*Cryptognathidae-D
 VKP*Raphignathidae-D,U
 P*Stigmaeidae-U
 TETRANYCHOIDEA
 VK*Tenuipalpidae-D,U
 VKP*Tetranychidae-D,U

TYDEOIDEA
 VK*Ereynetidae-T,D,U
 VKP*Tydeidae-D,U
 ERYTHRAEOIDEA
 VKP*Calypstostomidae-D,U
 VKP*Erythraeidae-T,T",D,U
 VK*Smaridiidae-D,U
 TROMBIDIOIDEA
 VKP*Johnstonianidae-D,U
 VK*Trombiculidae-T,D
 VKP*Trombidiidae-T,D,U
 Hydrachnellae
 HYDRACHNOIDEA
 V*Hydrachnidae-D
 EYLAOIDEA
 VKP*Eylaidae-D,U
 VP*Limnocharidae-D
 K*Protziidae-U
 HYDROPHANTOIDEA
 KP*Hydrodromidae-U
 KV*Hydryphantidae-T,D,U
 V*Thermacaridae-D
 VP*Thyasidae-D
 LEBERTIOIDEA
 VKP*Lebertiidae-D,U
 K*Oxidae-D,U
 VK*Sperchonidae-D,U
 KP*Teutoniidae-D
 K*Torrenticolidae-D
 HYGROBATOIDEA
 V*Feltriidae-D,U
 VKP*Hygrobatidae-D,U
 VKP*Limnesiidae-D
 VKP*Pionidae-D,U
 VKP*Unionicolidae-D,U
 ATUROIDEA
 VK*Aturidae-D
 K*Axonopsidae-D
 MIDEOPSOIDEA
 KP*Mideidae-D
 P*Mideopsidae-D
 ARRENUROIDEA
 VKP*Arrenuridae-D,U
 Acaridei
 ANOETOIDEA
 VK*Anoetidae-T,D,U
 CANESTRINOIDEA
 VK*Canestriniidae-T,D,U
 V*Hemisarcoptidae-D
 VK*Linobiidae-D
 ACAROIDEA
 VKP*Acaridae-T,T",D,U
 VK*Carpoglyphidae-D
 VK*Chaetodactylidae-D,U
 K*Chortoglyphidae-D
 K*Ctenoglyphidae-D
 K*Fusacaridae-U
 VKP*Glycyphagidae-T,D,U
 VK*Labidophoridae-D
 VK*Saproglyphidae-D

LISTROPHOROIDEA
 VK*Listrophoridae (s.sl.)-T,D
 PSOROPTOIDEA
 VP*Psoroptidae-D
 ANALGOIDEA
 VK*Analgidae-T,T",D,U
 VK*Dermoglyphidae-T,T",D,U
 VK*Epidermoptidae-T,D,U
 V*Freyanidae-D
 VK*Proctophyllodidae-T,D,U
 SARCOPTOIDEA
 V*Knemidocoptidae-D
 VKP*Sarcoptidae-D
 CYTODITOIDEA
 VK*Cytoditidae-D
 K*Laminosioptidae-D
 Oribatei
 ENARTHRONOTA
 K*Brachychthoniidae-D
 K*Cosmochthoniidae-D,U
 VKP*Hypochthoniidae-D
 K*Pterochthoniidae-D
 PHTHIRACAROIDEA
 P*Euphthiracaridae-D
 VKP*Phthiracaridae-D,U
 LOHMANNIOIDEA
 VP*Epilohmanniidae-D
 K*Eulohmanniidae-D
 P*Lohmanniidae-D
 NOTHROIDEA
 VKP*Camisiidae-D
 VK*Hermanniidae-D
 VKP*Malaconothridae-D,U
 VKP*Nanhermanniidae-D
 VKP*Nothridae-D,U
 K*Trhypochthoniidae-D,U
 NEOLIODOIDEA
 VKP*Neoliodidae-T",D
 ZETORCHESTOIDEA
 KP*Zetorchestidae-D
 EREMAEOIDEA
 VKP*Eremaeidae-D,U
 HERMANIELLOIDEA
 KP*Hermanniellidae-D
 PLATEREMAEOIDEA
 VK*Gymnodamaeidae-D,U
 VK*Plateremidae-D,U
 AMEROBELBOIDEA
 KP*Amerobelbidae-U
 K*Damaeolidae-D
 K*Eremobelbidae-D
 UNGROUPED FAMILIES
 VK*Astegistidae-D
 K*Autognetidae-D
 K*Caleremaeidae-D
 VKP*Carabodidae-D
 VK*Cepheidae-D
 VKP*Ceratoppiidae-D
 VKP*Damaeidae-D
 K*Gustaviidae-D
 VKP*Hydrozetidae-D

V* = Vitzthum Collection.

K* = Kneissl Collection.

P* = Popp Collection.

(Concluded next page)

19-continued: Dr. H. Fechter, Department of Invertebrates, Zoologische Staatssammlung, Maria Ward Strasse 1b, 8 München 19, Germany.

UNGROUPEd FAMILIES cont'd.

VKP*Liacaridae-D,U
K*Limnozetestidae-D
P*Microzetidae-D
VK*Oppiidae-D
VK*Suctobelbidae-D
VK*Tenuialidae-D
K*Thyrisomidae-D
PORONOTICAE
LOWER PLICATES
V*Ameronothridae-D

V*Cymbaeremaeidae-D
K*Licneremaeidae-D
VK*Micreremidae-D
VKP*Passalozetidae-D
KP*Scutoverticidae-D
KP*Tectocephidae-D
HIGHER PLICATES
VKP*Achipteridae-D,U
VKP*Phenopelopidae-D,U
K*Tegoribatidae-D

AOPHEREDERMES
VKP*Oribatellidae-T,T",D
EXCENTROSCLEROSAE
VP*Haplozetidae-D,U
VK*Mochlozetidae-D,U
VKP*Oribatulidae-T,T",D,U
MACROSCLEROSAE
VKP*Ceratozetidae-T",D,U
VP*Chamobatidae-D
VKP*Euzetidae-D,U
VKP*Galumnidae-D,U
VKP*Mycobatidae-D

V* = Vitzthum Collection
K* = Kneissl Collection
P* = Popp Collection

20-Charles D. Radford historical collection, see # 22, p. 35, Dr. K. H. Hyatt, British Museum (Natural History), Cromwell Road, London, S.W. 7, England.

Parasitiformes

GAMASINA

Dermanyssidae (s.st.)-D
Entonyssidae-D
Haemogamasidae-D
Laelapidae-T,T",D
Macronyssidae-T,T",D
Raillietidae-T
Spinturnicidae-T,T",D

IXODOIDEA

Argasidae-D
Ixodidae-D

CHEYLETOIDEA

Cheyletidae-D
Demodicidae-D
Myobiidae-T,T",D
Ophioptidae-T
Psorergatidae-D
Syringophilidae-D
TROMBIDIOIDEA
Trombiculidae-T,T",D

Acaridei

ACAROIDEA

Glycyphagidae-D

LISTROPHOROIDEA

Listrophoridae (s.sl.)-T,T",D
Myocoptidae-T,T",D

ANALGOIDEA

Analidae-D
Dermoglyphidae-D
Epidermoptidae-D
Freyanidae-D
Proctophyllodidae-T",D

SARCOPTOIDEA

Knemidocoptidae-D
Sarcoptidae-D

21-Dr. John A. Wallwork, Department of Zoology, Westfield College (University of London), London, N.W. 3, England.

Oribatei-U

ENARTHRONOTA

Brachychthoniidae-D
Hypochthoniidae-D
Sphaerochthoniidae-D

PHTHIRACAROIDEA

Phthiracaridae-D,U

LOHMANNIOIDEA

Epilohmanniidae-D
Lohmanniidae-D

NOTHROIDEA

Camisiidae-D
Holonothridae-D
Malaconothridae-D
Nanhermanniidae-D
Nothridae-D
Trhypochthoniidae-D

NEOLIODOIDEA

Neoliodidae-D

EREMAEOIDEA

Eremaeidae-D

AMEROBELBOIDEA

Eremobelbidae-U

UNGROUPEd FAMILIES

Basiobelbidae-D
Carabodidae-D
Ceratoppiidae-D
Damaeidae-D
Oppiidae-D
Otocephidae-D

PORONOTICAE

LOWER PLICATES

Ameronothridae-D

Passalozetidae-D

Podacaridae-D

Scutoverticidae-D

Tectocephidae-D

EXCENTROSCLEROSAE

Haplozetidae-D

Mochlozetidae-D

Oribatulidae-D

Parakalummidae-D

MACROSCLEROSAE

Ceratozetidae-D

Galumnidae-D

Mycobatidae-D

UNGROUPEd FAMILIES

Caloppiidae-D

22-Dr. K. H. Hyatt, British Museum (Natural History), Cromwell Road, London, S.W. 7, England. See also # 20, p. 34, C. D. Radford Collection.

Opilioacariformes-T,T",D,U
 Parasitiformes-T,T",D,U
 1,2*Mesostigmata
 2,3,4,5*IXODOIDEA
 Acariformes-T,T",D,U
 6*ERYTHRAEOIDEA-T,T",D,U
 TROMBIDIOIDEA
 7*Trombiculidae-T,T",D,U
 8,9*Hydrachnellae-T,T",D,U
 Acaridei
 1*ACAROIDEA-T,T",D,U
 2*ANALGOIDEA-T,T",D,U
 1,2*Oribatei-T,T",D,U

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*1 = A. D. Michael Collection
 *2 = J. E. Hull Collection
 *3 = G. H. F. Nuttall Collection
 *4 = E. A. Lewis Collection
 *5 = Yeoman and Walker, 1967 Tanzania Tick Survey material
 *6 = C. F. George Collection
 *7 = South Burma Scrub Typhus Survey material
 *8 = C. D. Soar Collection
 *9 = W. Williamson Collection

23-Dr. S. Mahunka, Zoologische Abteilung des Ungarischen National-Museums, Baross u. 13, Budapest VIII, Hungary. See also # 144, page 73, L. Szalay Collection.

Parasitiformes	Klinckostroemiidae-U	ERIOPHYOIDEA
GAMASINA	Megisthanidae-U	Eriophydidae-T,T",U
Ameroseiidae-D,U	Paramegistidae-U	EUPODOIDEA-U
Ascidae-D,U	Parantennulidae-U	LABIDOSTOMMOIDEA
Dermanyssidae (s.st.)-D,U	Schizogyniidae-U	Labidostommidae-D,U
Epicriidae-T,D,U	IXODOIDEA	TETRANYCHOIDEA
Eviphididae-D,U	Argasidae-D,U	Tenuipalpidae-T,T",D
Haemogamasidae-D,U	Ixodidae-D,U	Tetranychidae-T,T",D
Laelapidae-D,U	TARSONEMOIDEA	ERYTHRAEOIDEA-U
Pachylaelapidae-T,T",D,U	Podapolipodidae-T,T",D,U	TROMBIDIOIDEA-U
Parasitidae-T,T",D,U	Pyemotidae-T,T",D,U	Acaridei
Phytoseiidae-D,U	Scutacaridae-T,T",D,U	ANOETOIDEA
Veigaiidae-D,U	Tarsonemidae-T,T",D,U	Anoetidae-T,T",D,U
Zerconidae-T,T",D,U	ANYSTOIDEA	CANESTRINOIDEA
ANTENNOPHORINA	Teneriffiidae-D,U	Canestriniidae-T,T",D,U
Antennophoridae-U	BDELLOIDEA	Hemisarcoptidae-T,T",D,U
Celaenopsidae-U	Bdellidae-D,U	Linobiidae-T,T",D,U
Cercomigistidae-U	Cunaxidae-D,U	ACAROIDEA-T,T",D,U
Diplogyniidae-U	CAECULOIDEA	LISTROPHOROIDEA
Euzerconidae-U	Caeculidae-D,U	Myocoptidae-D,U
Fedrizzidae-U	CHEYLETOIDEA-U	ANALGOIDEA-D,U
Hoplomegistidae-U	Cheyletidae-U	Oribatei-T,T",D,U

24-Dr. G. O. Evans, Department of Agricultural Zoology, University College, Dublin, Glasnevin, Dublin 9, Ireland.

*Mesostigmata-T,D,U
 *Prostigmata-D
 *Hydrachnellae-T,D,U
 *Oribatei-D

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*J. N. Halbert Collection

25-Dr. E. Swirski, The National and University Institute of Agriculture, Division of Entomology, P. O. Box 6, Bet-Dagan, Israel.

Parasitiformes
GAMASINA
Phytoseiidae-T,D,U

26-Dra. Annamaria Nocentini, Istituto Italiano di Idrobiologia, 28048 Pallanza Verbania (Novara), Italy.

Hydrachnellae	Oxidae-D	Pionidae-D
EYLAOIDEA	Sperchonidae-D	Unionicolidae-D
Limnocharidae-D	Teutoniidae-D	ATUROIDEA
Protziidae-D	Torrenticolidae-D	Aturidae-D
HYDRYPHANTOIDEA	HYGROBATOIDEA	Axonopsidae-D
Thyasidae-D	Feltriidae-D	MIDEOPSOIDEA
LEBERTIOIDEA	Hygrobatidae-D	Mideopsidae-D
Lebertiidae-D	Limnesiidae-D	ARRENUROIDEA
		Arrenuridae-D

27-Dr. Shozo Ehara, c/o Zoological Institute Faculty of Science, Hokkaido University, Sapporo, Japan.

GAMASINA	BDELLOIDEA	RAPHIGNATHOIDEA
Ascidae-T	Bdellidae-T	Eupalopsellidae-T
Phytoseiidae-T	CHEYLETOIDEA	Stigmaeidae-T
ANYSTOIDEA	Cheyletidae-T	TETRANYCHOIDEA
Teneriffiidae-T		Tetranychidae-T

28-Dr. Shozo Ehara, Biological Institute, Faculty of Education, Tottori University, Tottori, Japan.

GAMASINA
Phytoseiidae-T,U
TETRANYCHOIDEA
Tenuipalpidae-D
Tetranychidae-T,D,U
Tuckerellidae-D

29-Mr. M. Nadchatram, Institute for Medical Research, Kuala Lumpur, Malaysia.

Parasitiformes	TARSONEMOIDEA	TROMBIDOIDEA
Mesostigmata-U	Podapolipodidae-D	Trombiculidae-T",D,U
GAMASINA	Scutacaridae-U	Trombidiidae-U
Dermanyssidae (s.st.)-D	Tarsonemidae-U	Hydrachnellae-U
Entonyssidae-D	ANYSTOIDEA	Acaridei
Haemogamasidae-D	Pterygosomidae-U	ACAROIDEA
Heterozetidae-D	BDELLOIDEA	Acaridae-U
Laelapidae-D,U	Bdellidae-U	Glycyphagidae-U
Macrochelidae-D	CHEYLETOIDEA	LISTROPHOROIDEA
Macronyssidae-D	Cheyletidae-U	Listrophoridae (s.sl.)-U
Rhinonyssidae-D	Demodicidae-D	Myocoptidae-U
Spinturnicidae-D	TYDEOIDEA	PSOROPTOIDEA
ANTENNOPHORINA	Ereynetidae-U	Psoroptidae-D
Paramegistidae-D	ERYTHRAEOIDEA	SARCOPTOIDEA
IXODOIDEA	Erythraeidae-U	Sarcoptidae-D
Argasidae-D		Teinocoptidae-D
Ixodidae-D		Oribatei-U

30-Dr. F. Lukoschus, Zoologisch Laboratorium, Faculteit der Wiskunde en Natuurwetenschappen, Katholieke Universiteit, Driehuizerweg 200, Nijmegen, Netherlands.

Parasitiformes	Laelapidae-D,U	Spinturnicidae-T,T",D
GAMASINA	Macronyssidae-D,U	IXODOIDEA
Dermanyssidae (s.st.)-D,U	Parasitidae-U	Ixodidae-D,U
Haemogamasidae-D,U	Spelaeorhynchidae-T"	

(Continued next page)

30-continued: Dr. F. Lukoschus, Zoologisch Laboratorium, Faculteit der Wiskunde en Natuurwetensshappen,

TARSONEMOIDEA	TROMBIDIOIDEA	Psoroptidae-T,T",D
Pyemotidae-T",D	Trombiculidae-T",D,U	Pyroglyphidae-T,T",D
CHEYLETOIDEA	Acaridei	Yunkeracaridae-T,T",D
Cheyletidae-D	ACAROIDEA	ANALGOIDEA
Cloacaridae-U	Acaridae-D	Analidae-D
Demodicidae-T,T",D	Glycyphagidae-T,T",D,U	Dermoglyphidae-D
Harpyrhynchidae-T",D,U	Labidophoridae-T,T",D	Epidermoptidae-T,D
Myobiidae-T,T",D,U	LISTROPHOROIDEA	Proctophyllodidae-D,U
Psorergatidae-T,T",D,U	Listrophoridae (s.sl.)-D	SARCOPTOIDEA
Syringophilidae-D,U	Myocoptidae-T,T",D,U	Sarcoptidae-T,T",D,U
TYDEOIDEA	PSOROPTOIDEA	
Ereynetidae-T,D	Lobalgidae-T,T"	
Tydeidae-U		

31-Dr. V.M. Stout, Department of Zoology, University of Canterbury, Private Bag, Christchurch, New Zealand.

HALACAROIDEA	EYLAOIDEA	ARRENUROIDEA
Halacaridae-D	Eylaidae-T,D	Arrenuridae-T,D
HYDRACHNOIDEA	HYGROBATOIDEA	
Hydrachnidae-T,D	Pionidae-T,D	

32-Dr. G. W. Ramsay, D.S.I.R., Entomology Division, Mt. Albert Research Centre, Private Bag, Auckland, New Zealand.

Parasitiformes	Prostigmata-T,T",D,U	PORONOTICAE
HOLOTHYRINA	Acaridei-D,U	LOWER PLICATES-T,T",D,U
Holothyridae-D	Oribatei	HIGHER PLICATES-D,U
GAMASINA-T,D,U	Oribatei Inferiores-T,T",D,U	APOPHEREDERMES-D,U
UROPODINA-D,U	Oribatei Circumdehis-	EXCENTROSCLEROSAE-D,U
IXODOIDEA-T,T",D	centiae-T,T",D,U	MACROSCLEROSAE-T,T",D,U
	UNGROUPEF FAMILIES-T,T",D,U	

33-Dr. D.C.M. Manson, Department of Agriculture, Horticultural Research Laboratory, P.O. Box 241, Levin, New Zealand.

Parasitiformes	ANYSTOIDEA	TETRANYCHOIDEA
Mesostigmata-U	Anystidae-U	Tenuipalpidae-D,U
GAMASINA	BDELLOIDEA	Tetranychidae-T,T"
Ascidae-T,T",U	Bdellidae-U	Tuckerellidae-D
Haemogamasidae-D,U	Cunaxidae-U	TYDEOIDEA
Laelapidae-U	CHEYLETOIDEA	Tydeidae-U
Macrochelidae-D,U	Cheyletidae-D,U	ERYTHRAEOIDEA
Parasitidae-D,U	ERIOPHYOIDEA	Erythraeidae-U
Phytoseiidae-D,U	Eriophyidae-T,T",D,U	Smaridiidae-U
Rhodacaridae-U	EUPODOIDEA	Acaridei
Endeostigmata	Eupodidae-U	ANOETOIDEA
PACHYGNATHOIDEA	Penthalodidae-D	Anoetidae-D
Nanorchestidae-U	RAPHIGNATHOIDEA	ACAROIDEA
TARSONEMOIDEA	Eupalopsellidae-U	Acaridae-T,T",D,U
Podapolipodidae-D	Stigmaeidae-D,U	Chortoglyphidae-D
Pyemotidae-U		Glycyphagidae-D
Tarsonemidae-D,U		PSOROPTOIDEA
		Pyroglyphidae-D
		Oribatei-U

34-Dr. Reider Mehl, Universitetets Zoologiske Museum, Sarsgt 1, Oslo 5, Norway.

Parasitiformes	Macrochelidae-U	IXODOIDEA
GAMASINA	Macronyssidae-U	Argasidae-D
Dermanyssidae (s.st.)-D	Parasitidae-D,U	Ixodidae-D,U
Haemogamasidae-D	Rhinonyssidae-U	CHEYLETOIDEA
Laelapidae-D	Spinturnicidae-U	Cheyletidae-U
		Myobiidae-U

(Continued next page)

34-continued: Dr. Reider Mehl, Universitetets Zoologiske Museum, Sarsgt 1, Oslo 5, Norway.

HALACAROIDEA	*Hydrachnellae-D	Myocoptidae-U
Halacaridae-U	Acaridei	PSOROPTOIDEA
ERYTHRAEOIDEA	ACAROIDEA	Psoroptidae-U
Erythraeidae-U	Glycyphagidae-U	Pyroglyphidae-D
TROMBIDIOIDEA	Labidophoridae-D,U	ANALGOIDEA-D,U
Trombiculidae-U	LISTROPHOROIDEA	Oribatei-U
	Listrophoridae (s.sl.)-D,U	

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* Sig Thor Collection.

35-Dr. Roger H. Taufflieb, Sercives Scientifiques Centraux, O.R.S.T.O M., 70/74, Route d'Aulnay, 93140 Bondy, France.

GAMASINA
 Dermanyssidae (s.st.)-D
 Laelapidae-T",D,U
 Macronyssidae-D
 Spinturnicidae-D
 TROMBIDIOIDEA
 Trombiculidae-T",D,U

36-Dr. Anders Edler, Department of Animal Ecology, University of Lund, Ecology Building, S-22362 Lund, Sweden.

Parasitiformes-D	Parasitidae-D	TROMBIDIOIDEA
Mesostigmata-D	Rhinonyssidae-U	Trombiculidae-D
GAMASINA-D	Spinturnicidae-U	Acaridei
Ascidae-D	Veigaiidae-D	ACAROIDEA
Dermanyssidae (s.st.)-D	IXODOIDEA-D	Glycyphagidae-D
Eviphididae-D	TARSONEMOIDEA	Labidophoridae-D
Haemogamasidae-D	Pyemotidae-D	LISTROPHOROIDEA-D,U
Laelapidae-D	CHEYLETOIDEA	ANALGOIDEA-D
Macrochelidae-D	Cheyletidae-T"	Oribatei-U
Macronyssidae-D	Myobiidae-D	

37-Drs. I.S. Livshitz and V.I. Mitrofanov, Nikita Botanical Garden, Jalta, Crimea, U.S.S.R.

Mesostigmata-U	BDELLOIDEA	Stigmaeidae-U
GAMASINA	Bdellidae-U	TETRANYCHOIDEA
Phytoseiidae-T,T",D,U	Cunaxidae-U	Tenuipalpidae-T,T",D,U
TARSONEMOIDEA	CHEYLETOIDEA	Tetranychidae-T,T",D,U
Tarsonomidae-U	Cheyletidae-U	TYDEOIDEA
ANYSTOIDEA	ERIOPHYOIDEA	Tydeidae-T,T",D
Anystidae-U	Eriophyidae-U	ERYTHRAEOIDEA
Pseudocheylidae-U	RAPHIGNATHOIDEA	Erythraeidae-U
	Raphignathidae-U	Smaridiidae-U

38-Drs. G.C. Loots, P.A.J. Ryke and Mr. Theron, Institute for Zoological Research, Department of Zoology, Potchefstroom University, Potchefstroom, South Africa.

Parasitiformes	Parholaspidae-U	Endeostigmata
GAMASINA	Phytoseiidae-T,T",D,U	PACHYGNATHOIDEA
Ameroseiidae-T,T",U	Podocinidae-U	Alichorhagiidae-T,T",D
Ascidae-T,T",D,U	Rhodacaridae-T,T",D,U	Lordalychidae-T,T",D
Digamasellidae-T,T",U	Spinturnicidae-U	Nanorchestidae-T,T",D,U
Epicriidae-U	Veigaiidae-D,U	Pachygnathidae-T,T",D,U
Eviphididae-T,T",D	UROPODINA-T,T",U	Pediculochelidae-U
Halolaelapidae-U	ANTENNOPHORINA	Sphaerolichidae-T,T",U
Laelapidae-T,T",D,U	Celaenopsidae-T,T",U	Terpnacaridae-T,T",U
Macrochelidae-T,T",U	Fedrizziidae-U	TARSONEMOIDEA
Pachylaelapidae-T,T",U	Megisthanidae-U	Pyemotidae-U
Parasitidae-D,U		

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38-continued: Drs. G.C. Loots, P.A.J. Ryke and Mr. Theron, Institute for Zoological Research, Department of Zoology, Potchefstroom University, Potchefstroom, South Africa.

TARSONEMOIDEA cont'd.	TETRANYCHOIDEA	NOTHROIDEA
Scutacaridae-U	Tenuipalpidae-T,T",U	Malaconothridae-U
Tarsonemidae-U	Tetranychidae-T,T",D,U	Trhypochthoniidae-U
ANYSTOIDEA	Tuckerellidae-U	PLATEREMAEOIDEA
Anystidae-T,T",U	TYDEOIDEA	Gymnodamaeidae-U
Pseudocheylidae-U	Erenynetidae-U	AMEROBELBOIDEA
Teneriffiidae-U	Nematalycidae-D,U	Eremobelbidae-U
BDELLOIDEA	Paratydeidae-T,T",D	UNGROUPED FAMILIES
Bdellidae-D,U	Tydeidae-T,T",U	Astegistidae-U
Cunaxidae-D,U	ERYTHRAEOIDEA	Carabodidae-U
CAECULOIDEA	Erythraeidae-T,T",U	Microzetidae-U
Caeculidae-U	TROMBIDIOIDEA	Opplidae-U
CHEYLETOIDEA	Trombidiidae-T,T",U	Otocephidae-U
Cheyletidae-U	Oribatei	PORONOTICAE
ERIOPHYOIDEA	ENARTHRONOTA	LOWER PLICATES
Eriophyidae-T,T",U	Brachychthoniidae-U	Tectocephidae-U
EUPODOIDEA	Cosmochthoniidae-U	EXCENTROSCLEROSAE
Eupodidae-T,D,U	Sphaerochthoniidae-U	Haplozetidae-U
Rhagidiidae-D,U	PHTHIRACAROIDEA-U	Oribatulidae-U
LABIDOSTOMMOIDEA	Euphthiracaridae-U	MACROSCLEROSAE
Labidostommidae-U	Phthiracaridae-U	Ceratozetidae-U
RAPHIGNATHOIDEA		Galumnidae-U
Cryptognathidae-D,U		UNGROUPED FAMILIES
Raphignathidae-U		Epactozetidae-D,U
Stigmaeidae-T",U		

39-Mr. B.H. Lamoral, Natal Museum, Loop Street, Pietermaritzburg, South Africa.

Parasitiformes	CAECULOIDEA	Acaridei
HOLOTHYRINA	Caeculidae-T,T",D,U	CANESTRINOIDEA
Holothyridae-D	CHEYLETOIDEA	Canestriniidae-D
GAMASINA	Cheyletidae-T,T",D,U	ACAROIDEA
Dermanyssidae (s.st.)-T",D,U	Harpyrhynchidae-T",D	Acaridae-D,U
Laelapidae-D,U	Myobiidae-T,T",D,U	Glycyphagidae-D,U
Omentolaelapidae-D	Ophioptidae-T",D	LISTROPHOROIDEA
Rhinonyssidae-T,T",D	Syringophilidae-T	Listrophoridae (s.sl.)-T",D,U
Spinturnicidae-T,T",D	TETRANYCHOIDEA	Myocoptidae-D
ANTENNOPHORINA	Tenuipalpidae-T,T",D,U	PSOROPTOIDEA
Paramegistidae-D	Tetranychidae-T,D,U	Psoroptidae-D,U
IXODOIDEA	TYDEOIDEA	ANALGOIDEA-U
Argasidae-T	Ereynetidae-T",D,U	Analgidae-D
Ixodidae-T	ERYTHRAEOIDEA	Epidermoptidae-T",D,U
TARSONEMOIDEA	Calyptostomidae-T	SARCOPTOIDEA
Podapolipodidae-D,U	Erythraeidae-T	Sarcoptidae-T",D,U
Pyemotidae-D	TROMBIDIOIDEA	Teinocoptidae-D
Tarsonemidae-D,U	Trombiculidae-T,T",D,U	MACROSCLEROSAE
ANYSTOIDEA	Trombidiidae-T,T",D	Galumnidae-T",D
Anystidae-U		
Pterygosomidae-T,T",D,U		

40-Dr. Magdalena K.P. Meyer, Plant Protection Research Institute, Department of Agricultural Technical Services, Private Bag 134, Pretoria, South Africa.

Parasitiformes	Prostigmata-D	Scutacaridae-D
Mesostigmata-T,T",D,U	Endeostigmata	Tarsonemidae-D,U
GAMASIMA	PACHYGNATHOIDEA	ANYSTOIDEA
Ascidae-D,U	Alichorhagiidae-T"	Anystidae-T,T",D,U
Dermanyssidae (s.st.)-D,U	Nanorchestidae-T",D	Pseudocheylidae-D
Laelapidae-D,U	Heterostigmata	Teneriffiidae-D
Macrochelidae-D	TARSONEMOIDEA	BDELLOIDEA
Parasitidae-D	Podapolipodidae-D	Bdellidae-T,T",D,U
Phytoseiidae-T,T",D,U	Pyemotidae-D,U	Cunaxidae-D,U

(Continued next page)

40-continued: Dr. Magdalena K.P. Meyer, Plant Protection Research Institute, Department of Agricultural Technical Services, Private Bag 134, Pretoria, South Africa.

CAECULOIDEA	Cryptognathidae-T	ERYTHRAEOIDEA
Caeculidae-D	Eupalopsellidae-T,D,U	Erythraeidae-T,T",D,U
CHEYLETOIDEA	Neophyllobiidae-D	Smaridiidae-D
Cheyletidae-D,U	Raphignathidae-D	TROMBIDIOIDEA
ERIOPHYOIDEA	Stigmaeidae-T,T",D,U	Trombidiidae-T",D,U
Eriophyidae-T",D,U	Tarsocheylidae-U	Acaridei
EUPODOIDEA	TETRANYCHOIDEA	ANOETOIDEA
Eupodidae-T",D,U	Linotetranidae-D	Anoetidae-D
Rhagidiidae-D	Tenuipalpidae-T,T",D,U	CANESTRINOIDEA
LABIDOSTOMMOIDEA	Tetranychidae-T,T",D,U	Hemisarcoptidae-T,T"
Labidostommidae-T	TYDEOIDEA	ACAROIDEA
RAPHIGNATHOIDEA	Paratydeidae-T"	Acaridae-T,T",D,U
Caligonellidae-T,T"	Tydeidae-T,T",D,U	Carpoglyphidae-D,U
		Oribatei-U

41-Drs. R.S. Du Plessis and G. Theiler, Director, Veterinary Research Institute, Department of Agriculture, Onderstepoort, Republic of South Africa.

CHEYLETOIDEA
Myobiidae-T"
TROMBIDIOIDEA
Trombiculidae-T"

42-Dr. Earle A. Cross, Department of Biology, The University of Alabama, Tuscaloosa, Alabama 35486.

TARSONEMOIDEA
Pyemotidae-T",D,U
Scutacaridae-D,U
Acaridei
ANOETOIDEA-D,U
ACAROIDEA-D,U

43-Dr. Irwin M. Newell, Department of Life Sciences, University of California, Riverside, California 92502.

Opilioacariformes	Spelaeorhynchidae-U	Teneriffiidae-U
Opiliocaridae-U	Spinturnicidae-U	BDELLOIDEA
Parasitiformes	Veigaiidae-U	Bdellidae-D,U
HOLOTHYRINA	Zerconidae-U	Cunaxidae-U
Holothyridae-U	UROPODINA-U	CAECULOIDEA
SEJINA	ANTENNOPHORINA	Caeculidae-U
Sejidae-U	Celaenopsidae-U	CHEYLETOIDEA
Uropodellidae-U	Cercomegistidae-U	Cheyletidae-U
GAMASINA	Diplogyniidae-U	Harpyrhynchidae-U
Ameroseiidae-U	Euzerconidae-U	Myobiidae-U
Arctacaridae-U	Klinckostroemiidae-U	Syringophilidae-U
Ascidae-U	Schizogyniidae-U	EUPODOIDEA
Dermanyssidae (s.st.)-U	Endeostigmata	Eupodidae-U
Epicriidae-U	PACHYGNATHOIDEA	Penthaleidae-U
Eviphididae-U	Lordalychidae-U	Penthalodidae-U
Halarachnidae-U	Nanorchestidae-U	Rhagidiidae-U
Laelapidae-U	Pachygnathidae-U	HALACAROIDEA
Macrochelidae-U	Sphaerolichidae-U	Halacaridae-T,T",D,U
Macronyssidae-U	TARSONEMOIDEA	IOLINOIDEA-U
Microgyniidae-U	Podapolipodidae-U	LABIDOSTOMMOIDEA-U
Neoparasitidae-U	Pyemotidae-U	RAPHIGNATHOIDEA
Pachylaelapidae-U	Scutacaridae-U	Caligonellidae-U
Parasitidae-U	Tarsonemidae-U	Cryptognathidae-U
Parholaspidae-U	ANYSTOIDEA	Neophyllobiidae-U
Phytoseiidae-U	Anystidae-U	Raphignathidae-U
Podocinidae-U	Pseudocheylidae-D	Stigmaeidae-U
Rhodacaridae-U	Pterygosomidae-T,T",D,U	

(Continued next page)

43-continued: Dr. Irwin M. Newell, Department of Life Sciences, University of California, Riverside, California 92502.

TETRANYCHOIDEA	Pontarachnidae-U	LOHMANNIOIDEA
Linotetranae-U	Unionicolidae-U	Lohmanniidae-U
Tenuipalpidae-U	ATUROIDEA	NOTHROIDEA
Tetranychidae-U	Aturidae-U	Camisiidae-U
Tuckerellidae-U	Axonopsidae-U	Hermanniidae-U
TYDEOIDEA	MIDEOPSOIDEA	Malaconothridae-U
Ereynetidae-U	Mideidae-U	Nothridae-U
Paratydeidae-U	Mideopsidae-U	Trhypochthoniidae-U
Tydeidae-U	ACALYPTONOTOIDEA	NEOLIOIDOIDEA
ERYTHRAEOIDEA	Athienemanniidae-U	Neoliodidae-U
Calyptostomidae-U	ARRENUROIDEA	ZETORCHESTOIDEA
Erythraeidae-U	Arrenuridae-U	Zetorchestidae-U
Smaridiidae-U	Acaridei	EREMAEOIDEA
TROMBIDIOIDEA	ANOETOIDEA	Eremaeidae-U
Johnstonianidae-T,T",D,U	Anoetidae-U	HERMANIELLOIDEA-U
Trombiculidae-U	CANESTRINOIDEA	Hermanniellidae-U
Trombidiidae-U	Canestriniidae-U	AMEROBELBOIDEA
Hydrachnellae-U	Hemisarcoptidae-U	Ameridae-U
HYDROVOLZIOIDEA	Linobiidae-U	UNGROUPED FAMILIES
Hydrovolziidae-U	ACAROIDEA	Carabodidae-U
HYDRACHNOIDEA	Acaridae-U	Cepheidae-U
Hydrachnidae-U	Chaetodactylidae-U	Ceratoppiidae-U
EYLAOIDEA	Glycyphagidae-U	Damaeidae-U
Eylidae-U	Hyadesiidae-U	Gustaviidae-U
Limnocharidae-U	LISTROPHOROIDEA	Hydrozetidae-U
Piersigiidae-U	Listrophoridae (s.sl.)-U	Liacaridae-U
Protziidae-U	PSOROPTOIDEA	Limnozetae-U
HYDRYPHANTOIDEA-U	Psoroptidae-U	Microzetidae-U
Hydrodromidae-U	ANALGOIDEA	Otocephidae-U
Hydryphantidae-U	Proctophyllodidae-U	Peloppiidae-U
Thermacaridae-U	Oribatei-U	Suctobelbidae-U
Thyasidae-U	PALEACAROIDEA-U	PORONOTICAE-U
LEBERTIOIDEA	Acaronychidae-U	LOWER PLICATES-U
Anisitsiellidae-U	PARHYPOCHTHONIOIDEA-U	Ameronothridae-U
Lebertiidae-U	Brachychthoniidae-U	Cymbaeremaeidae-U
Oxidae-U	Cosmochthoniidae-U	Podacaridae-U
Pseudohydryphantidae-U	Hypochthoniidae-U	Scutoverticidae-U
Sperchonidae-U	Parhypochthoniidae-U	Tectocephidae-U
Teutoniidae-U	Sphaerochthoniidae-U	HIGHER PLICATES-U
Torrenticolidae-U	ENARTHROTA	Achipteriidae-U
HYGROBATOIDEA	Brachychthoniidae	APOPHEREDERMES
Feltriidae-U	PROTOPLOPHOROIDEA	Oribatellidae-U
Hygrobatidae-U	Protoplophoridae-U	EXCENTROSCLEROSAE-U
Limnesiidae-U	MESOPLOPHOROIDEA	Oribatulidae-U
Nautarachnidae-U	Mesoplophoridae-U	MACROSCLEROSAE-U
Pionidae-U	PHTHIRACAROIDEA	Ceratozetidae-U
	Phthiracaridae-U	Galumnidae-U

44-Drs. James M. Brennan and Richard B. Loomis, Department of Biology, California State College, Long Beach, California, 90801.

ANYSTOIDEA
Pterygosomidae-T,T",D,U
TROMBIDIOIDEA
Trombiculidae-T,T",D,U

45-Dr. Deane P. Furman, Division of Parasitology, University of California, Berkeley, California 94720.

Parasitiformes	Rhinonyssidae-T",D	CHEYLETOIDEA
GAMASINA-T",D	Spelaerhynchidae-D	Cheyletidae-D
Dermanyssidae (s.st.)-T",D	Spinturnicidae-T",D	Harpyrhynchidae-D
Haemogamasidae-T",D	IXODOIDEA	Myobiidae-D
Halarachnidae-T",D	Argasidae-D	TROMBIDIOIDEA
Laelapidae-T",D	Ixodidae-D	Trombiculidae-T",D
Macronyssidae-T",D		

(Continued next page)

45-continued: Dr. Deane P. Furman, Division of Parasitology, University of California, Berkeley, California 94720.

Acaridei	PSOROPTOIDEA	Epidermoptidae-T',D
ANOETOIDEA-D	Pneumocoptidae-D	SARCOPTOIDEA
ACAROIDEA-D,U	Psoroptidae-D	Kenmidocoptidae-D
LISTROPHOROIDEA	Pyroglyphidae-D	Sarcoptidae-D
Listrophoridae (s.sl.)-T'',U	ANALGOIDEA	CYTODITOIDEA-D
Myocoptidae-D	Analgidae-D	

46-Dr. H.H. Keifer, 1112 Swanston Drive, Sacramento, California 95818.

ERIOPHYOIDEA
 Eriophyidae-T,T'',D,U
 Phytoptidae-T,T'',D,U
 Rhyncaphytoptidae-T,T'',D,U

47-Dr. Harold Denmark, Entomology Section, Division of Plant Industry, P.O. 1269, Gainesville, Florida 32601

Opilioacariformes	TARSONEMOIDEA	Tuckerellidae-D,U
Opilioacaridae-U	Pyemotidae-D,U	TYDEOIDEA
Parasitiformes	Scutacaridae-D,U	Tydeidae-T'',D,U
GAMASINA	Tarsonemidae-T'',D,U	TROMBIDIOIDEA
Ameroseiidae-D,U	ANYSTOIDEA	Trombiculidae-U
Ascidae-T'',D,U	Anystidae-D,U	Trombidiidae-U
Dermanyssidae (s.st.)-D	BDELLOIDEA	Acaridei
Laelapidae-D,U	Bdellidae-D,U	ANOETOIDEA
Macrochelidae-D,U	Cunaxidae-D,U	Anoetidae-U
Neoparasitidae-D,U	CHEYLETOIDEA	ACAROIDEA
Pachylaelapidae-D,U	Cheyletidae-T'',D,U	Acaridae-D,U
Parasitidae-U	ERIOPHYOIDEA	Glycyphagidae-D,U
Parholaspidae-U	Eriophyidae-D,U	Oribatei
Phytoseiidae-T'',D,U	EUPODOIDEA	NOTHROIDEA
Podocinidae-T'',D,U	Eupodidae-U	Malaconotariidae-U
Rhodacaridae-U	Rhagidiidae-U	Nothridae-U
Veigaiidae-U	RAPHIGNATHOIDEA	EREMAEOIDEA
UROPODINA-U	Caligonellidae-D,U	Eremaeidae-U
ANTENNOPHORINA	Cryptognathidae-D,U	UNGROUPED FAMILIES
Megisthanidae-U	Eupalopsellidae-T'',D,U	Carabodidae-U
Endeostigmata	Neophyllobiidae-D,U	Oppiidae-U
PACHYGNATHOIDEA	Raphignathidae-D,U	Suctobelbidae-U
Nanorchestidae-D,U	Stigmaeidae-T'',D,U	EXCENTROSCLEROSAE
Pachygnathidae-D,U	TETRANYCHOIDEA	Oribatulidae-U
	Tenuipalpidae-D,U	Oripodidae-U
	Tetranychidae-D,U	MACROSCLEROSAE
		Galumnidae-U

48-Drs. W.T. Atyeo, D.A. Crossley, Jr., P.E. Hunter, Acarina Collection, Department of Entomology, University of Georgia, Athens, Georgia 30601.

Parasitiformes	Iphiopsidae-U	Spinturnicidae-U
SEJINA	Ixodorhynchidae-D,U	Veigaiidae-T'',D,U
Sejidae-U	Laelapidae-T,T'',D,U	Zerconidae-D,U
Uropodellidae-U	Macrochelidae-U	DIARTHROPHALLINA
GAMASINA	Macronyssidae-U	Diarthrophallidae-T'',D,U
Ameroseiidae-U	Neoparasitidae-U	ANTENNOPHORINA
Ascidae-T'',D,U	Otopheidomenidae-D,U	Antennophoridae-U
Dermanyssidae (s.st.)-D,U	Pachylaelapidae-U	Cercomegistidae-U
Entonyssidae-U	Parasitidae-U	Diplogyniidae-D,U
Epicriidae-U	Parholaspidae-D,U	Euzerconidae-D,U
Eviphididae-D,U	Phytoseiidae-D,U	Hoplomegistidae-T''
Haemogamasidae-D,U	Podocinidae-U	Klinckostroemiidae-T'',U
Halolaelapidae-U	Rhinonyssidae-T'',D,U	Megisthanidae-T'',D
Heterozerconidae-U	Rhodacaridae-T'',D,U	Parantennulidae-T''

(Continued next page)

48-continued: Drs. W.T. Atyeo, D.A. Crossley, Jr., P.E. Hunter, Acarina Collection, Department of Entomology, University of Georgia, Athens, Georgia 30601.

ANTENNOPHORINA cont'd.	TETRANYCHOIDEA	LOHMANNIOIDEA
Schizogyniidae-U	Tenuipalpidae-D,U	Epilohmanniidae-D
IXODOIDEA-U	Tetranychidae-T",D,U	Lohmanniidae-U
Endeostigmata	TYDEOIDEA	NOTHROIDEA
PACHYGNATHOIDEA	Ereynetidae-T,T",D,U	Camisiidae-D,U
Alichorhagiidae-D	Paratydeidae-D,U	Hermannidae-D,U
Lordalychidae-U	Tydeidae-T",D,U	Malaconothridae-U
Nanorchestidae-D,U	ERYTHRAEOIDEA	Nanhermannidae-D,U
Pachygnathidae-D,U	Erythraeidae-U	Nothridae-U
TARSONEMOIDEA	Smaridiidae-U	Trhypochthoniidae-D
Pyemotidae-U	TROMBIDIOIDEA	ZETORCHESTOIDEA
Scutacaridae-U	Trombiculidae-T,T",D,U	Zetorchestidae-U
Tarsonemidae-D,U	Trombidiidae-D,U	HERMANIELLOIDEA
ANYSTOIDEA	Acaridei	Hermanniellidae-U
Anystidae-T",U	ANOETOIDEA	PLATEREMAEOIDEA
Heterocheylidae-D,U	Anoetidae-T",D,U	Gymnodamaeidae-U
Pterygosomidae-U	ACAROIDEA	Licnodamaeidae-U
Teneriffiidae-U	Acaridae-T",D,U	UNGROUPED FAMILIES
BDELLOIDEA	Chaetodactylidae-U	Astegistidae-D,U
Bdellidae-D	Ewingidae-D	Basiobelbidae-U
Cunaxidae-D	Glycyphagidae-U	Carabodidae-D,U
CAECULOIDEA	Rosensteiniidae-T"	Cepheidae-U
Caeculidae-U	Saproglyphidae-U	Ceratoppiidae-D
CHEYLETOIDEA	LISTROPHOROIDEA	Damaeidae-U
Cheyletidae-D,U	Listrophoridae (s.sl.)-U	Liacaridae-D,U
Cloacaridae-U	Myocoptidae-U	Microzetidae-U
Demodicidae-U	PSOROPTOIDEA	Oppiidae-D,U
Harpyrhynchidae-U	Psoroptidae-D,U	Peloppiidae-U
Myobiidae-U	ANALGOIDEA	Suctobelbidae-U
Syringophilidae-T,T"	Analgidae-T,T",U	Tenuialidae-U
ERIOPHYOIDEA	Dermoglyphidae-T,T",U	PORONOTICAE
Eriophyidae-D,U	Freyanidae-T,T",U	LOWER PLICATES
EUPODOIDEA	Proctophyllodidae-T,T",D,U	Licneremaeidae-U
Eupodidae-U	SARCOPTOIDEA	Scutoverticidae-D,U
Penthaleidae-U	Sarcoptidae-D,U	Tectocephidae-D,U
Rhagidiidae-U	Oribatei	HIGHER PLICATES
HALACAROIDEA	PALEACAROIDEA	Achipteriidae-U
Halacaridae-U	Acaronychidae-U	Phenopelopidae-U
LABIDOSTROMMOIDEA	ENARTHRONOTA	Tegoribatidae-U
Labidostommidae-T,T",D,U	Brachychthoniidae-D,U	APOPHEREDERMES
RAPHIGNATHOIDEA	Haplochthoniidae-U	Oribatellidae-D,U
Cryptognathidae-D,U	MESOPLOPHOROIDEA	EXCENTROSCLEROSAE
Neophyllobiidae-U	Mesoplophoridae-D,U	Haplozetidae-U
Raphignathidae-U	PHTHIRACAROIDEA	Oribatulidae-U
Stigmaeidae-U	Euphthiracaridae-U	Oripodidae-U
Tarsocheylidae-U	Phthiracaridae-U	Parakalummidae-U
		MACROSCLEROSAE
		Ceratozetidae-D,U
		Galumnidae-U
		Mycobatidae-U

49-Chairman, Department of Entomology, University of Nebraska, Lincoln, Nebraska 68503.

BDELLOIDEA
Bdellidae-T,T"
LABIDOSTOMMOIDEA
Labidostommidae-T,T"
RAPHIGNATHOIDEA
Caligonellidae-T,T"
Raphignathidae-T",D
Tarsocheylidae-T",D

50-Drs. R.E. Beer and J. Camin, Department of Entomology, Snow Entomological Museum, University of Kansas, Lawrence, Kansas 66044.

Opilioacariformes	TARSONEMOIDEA	ERYTHRAEOIDEA
Opilioacaridae-D,U	Podapolipodidae-U	Calyptostomidae-U
Parasitiformes	Pyemotidae-T",D	Erythraeidae-U
SEJINÁ	Scutacaridae-T	Smaridiidae-U
Sejidae-D	Tarsonemidae-T,T",D	TROMBIDIOIDEA
Uropodellidae-D	ANYSTOIDEA	Johnstonianidae-U
GAMASINA	Anystidae-U	Trombiculidae-T,T",D,U
Ameroseiidae-D	Heterocheylidae-U	Trombidiidae-U
Arctacaridae-D	Pseudocheylidae-U	Hydrachnellae-U
Dermanyssidae (s.st.)-D	Pterygosomidae-T,D,U	Acaridei
Entonyssidae-D	Teneriffiidae-U	ANOETOIDEA-U
Epicriidae-D	BDELLOIDEA	CANESTRINOIDEA-U
Haemogamasidae-D	Bdellidae-T,T",D	ACAROIDEA
Halarachnidae-D	Cunaxidae-U	Acaridae-U
Ixodorhynchidae-D,U	CAECULOIDEA	Carpoglyphidae-U
Laelapidae-T",D	Caeculidae-U	Chortoglyphidae-U
Macrochelidae-T",D	CHEYLETOIDEA	Ewingidae-U
Macronyssidae-D	Cheyletidae-T,T",D	Glycyphagidae-U
Microgyniidae-T"	Cloacaridae-T,T",D,U	Hyadesiidae-U
Podocinidae-D	Demodicidae-U	Labidophoridae-U
Raillietidae-D	Harpyrhynchidae-T",D	Rosensteiniidae-U
Rhinonyssidae-D	Myobiidae-D,U	Saproglyphidae-U
Spelaeorhynchidae-D	Ophioptidae-U	LISTROPHOROIDEA
Spinturnicidae-D	Psorergatidae-U	Listrophoridae (s.sl.)-U
UROPODINA-T,T",D	Syringophilidae-D,U	Myocoptidae-U
DIARTHROPHALLINA	ERIOPHYOIDEA	PSOROPTOIDEA-U
Diarthrophallidae-D	Eriophyidae-T,T",D	ANALGOIDEA
ANTENNOPHORINA	EUPODOIDEA	Analgidae-U
Antennophoridae-D	Eupodidae-U	Dermoglyphidae-U
Celaenopsidae-D	Penthaleidae-T,T",D	Epidermoptidae-U
Cercomegistidae-D,U	Penthalodidae-U	Freyanidae-U
Diplogyniidae-D	Rhagidiidae-U	Proctophyllodidae-T",U
Euzerconidae-D	HALACAROIDEA	Turbinoptidae-U
Fedrizzidae-D	Halacaridae-U	SARCOPTOIDEA
Hoplomegistidae-D	LABIDOSTOMMOIDEA	Knemidocoptidae-U
Klinckostroemiidae-D	Labidostommidae-T,T",D	Sarcoptidae-U
Megisthanidae-D	RAPHIGNATHOIDEA	CYTODITOIDEA
Paramegistidae-D	Caligonellidae-U	Cytoditidae-U
Parantennulidae-D	Cryptognathidae-U	Laminosioptidae-U
Schizogyniidae-D	Eupalopsellidae-U	Oribatei
IXODOIDEA	Neophyllobiidae-U	Oribatei Inferiores-U
Argasidae-D	Raphignathidae-T,U	PHTHIRACAROIDEA-T"
Ixodidae-D	Stigmaeidae-U	Oribatei Circumdehiscentiae-U
Endeostigmata	TETRANYCHOIDEA	UNGROUPED FAMILIES-U
PACHYGNATHOIDEA	Tenuipalpidae-D,U	PORONOTICAE-U
Alichorhagiidae-U	Tetranychidae-T,T",D,U	APOPHEREDERMES
Lordalychidae-U	Tuckerellidae-D	Oribatellidae-U
Nanorchestidae-U	TYDEOIDEA	EXCENTROSCLEROSAE-U
Pachygnathidae-U	Ereynetidae-U	MACROSCLEROSAE-U
Pediculochelidae-U	Nematalycidae-U	UNGROUPED FAMILIES-U
Sphaerolichidae-U	Paratydeidae-U	
	Tydeidae-U	

51-Dr. Carl W. Rettenmeyer, Biological Sciences Group, Life Sciences Building, University of Connecticut, Storrs, Connecticut 06268.

GAMASINA	TARSONEMOIDEA	TYDEOIDEA
Laelapidae-U	Podapolipodidae-U	Ereynetidae-U
Macrochelidae-U	Pyemotidae-T",D,U	Acaridei
Neoparasitidae-U	Scutacaridae-U	ANOETOIDEA
UROPODINA-T,T",D,U	CHEYLETOIDEA	Anoetidae-U
	Myobiidae-T",D	ACAROIDEA
		Acaridae-U

52-Dr. J.P. Woodring, Department of Zoology, Louisiana State University, Baton Rouge, Louisiana 70803.

Parasitiformes	Nanhermanniidae-D	PORONOTICAE
GAMASINA	Nothridae-D	LOWER PLICATES
Entonyssidae-T"	Trhypochthoniidae-D	Ameronothridae-D
IXODOIDEA	EREMAEOIDEA	Cymbaeremaeidae-D
Ixodidae-D	Eremaeidae-U	Fortuyniidae-D
Acaridei	HERMANIELLOIDEA-D	Passalozetidae-D
ANOETOIDEA	PLATEREMAEOIDEA-U	Podacaridae-D
Anoetidae-T,T",D,U	AMEROBELBOIDEA	Scutoverticidae-D
ACAROIDEA	Amerobelbidae-D	Selenoribatidae-D
Acaridae-T,T",D,U	UNGROUPED FAMILIES	Tectocephidae-D
Carpoglyphidae-D	Astegistidae-D	HIGHER PLICATES
Chortoglyphidae-D	Carabodidae-D	Achipteriidae-D
Ctenoglyphidae-D	Cepheidae-D	Tegoribatidae-D,U
Glycyphagidae-D,U	Ceratoppiidae-D	APOPHEREDERMES
Saproglyphidae-T,T",D,U	Damaeidae-D	Oribatellidae-D,U
Oribatei-T,T",D,U	Gustaviidae-D	EXCENTROSCLEROSAE
PHTHIRACAROIDEA-D,U	Hydrozetidae-D	Haplozetidae-T",D,U
LOHMANNIOIDEA	Liacaridae-D	Mochlozetidae-D,U
Eulohmanniidae-D	Microzetidae-U	Oribatulidae-T,D,U
Lohmanniidae-D	Oppiidae-U	Oripodidae-D,U
NOTHROIDEA-D	Peloppiidae-D,U	MACROSCLEROSAE
Camisiidae-D	Suctobelbidae-U	Ceratozetidae-T,T",D,U
Hermannidae-D	Tenuialidae-D,U	Chemobatidae-D,U
		Euzetidae-D
		Galumnidae-T,T",D,U
		Mycobatidae-D,U

53-Dr. John C. Moser, U.S. Forest Service, Southern Forest Experiment Station, 2500 Shreveport Highway, Pineville, Louisiana 71360.

Parasitiformes	BDELLOIDEA	ACAROIDEA
SEJINA	Bdellidae-D	Acaridae-D
Uropodellidae-D	Cunaxidae-D	Glycyphagidae-D
GAMASINA	CHEYLETOIDEA	PHTHIRACAROIDEA
Ameroseiidae-D	Cheyletidae-D	Euphthiracaridae-U
Ascidae-D	EUPODOIDEA	NEOLIODOIDEA
Digamasellidae-D	Eupodidae-U	Neoliodidae-U
Laelapidae-D	RAPHIGNATHOIDEA	UNGROUPED FAMILIES
Macrochelidae-D	Cryptognathidae-D	Peloppiidae-U
Parasitidae-D	Eupalopsellidae-D	PORONOTICAE
Phytoseiidae-D	Neophyllobiidae-D	LOWER PLICATES
Rhodacaridae-D	Raphignathidae-D	Cymbaeremaeidae-D
Veigaiidae-D	Stigmaeidae-D	EXCENTROSCLEROSAE
UROPODINA-D	Tarsocheylidae-D	Haplozetidae-U
ANTENNOPHORINA	TYDEOIDEA	Oribatulidae-U
Celaenopsidae-D	Ereynetidae-D	MACROSCLEROSAE
Cercomegistidae-D	Tydeidae-U	Ceratozetidae-U
TARSONEMOIDEA	Acaridei	Galumnidae-U
Pyemotidae-D	ANOETOIDEA	
Tarsonemidae-D	Anoetidae-D	

54-Dr. George Anastos, Department of Zoology, University of Maryland, College Park, Maryland 20742.

IXODOIDEA
Argasidae-D,U
Ixodidae-T",D,U

55-Dr. David R. Cook, Department of Biology, Wayne State University, Detroit, Michigan 48202.

Hydrachnellae	EYLAOIDEA	HYDRYPHANTOIDEA
HYDROVOLZIOIDEA	Eylidae-T",D,U	Clathrospherchonidae-T",D
Hydrovolziidae-T",D	Limnocharidae-T",D	Hydrodromidae-T",D,U
HYDRACHNOIDEA	Piersigiidae-D	Hydryphantidae-D,U
Hydrachnidae-T",D,U	Protziidae-T",D,U	

(Continued next page)

55-continued: Dr. David R. Cook, Department of Biology, Wayne State University, Detroit, Michigan 48202.

Thermacaridae-D	Feltriidae-T",D	Momoniidae-T",D,U
Thyasidae-T",D	Hygrobatidae-T",D,U	Neoacaridae-T",D,U
LEBERTIOIDEA	Limnesiidae-T",D,U	Uchidastygacaridae-T",D,U
Anisitsiellidae-T",D,U	Pionidae-T",D,U	ACALYPTONOTOIDEA
Lebertiidae-T",D,U	Unionicolidae-T",D,U	Acalyptonotidae-D
Oxidae-T",D,U	AXONOPSAE	Athienemanniidae-T",D
Pseudohydrphantidae-D	Aturidae-T",D,U	Harpagopalpidae-T",D,U
Sperchonidae-T",D,U	Axonopsidae-T",D,U	Krendowskiidae-D
Teutoniidae-D	MIDEOPSOIDEA	ARRENUROIDEA
Torrenticolidae-T",D,U	Mideidae-D	Arrenuridae-T",D,U
HYGROBATOIDEA	Mideopsidae-T",D,U	Hungarohydracaridae-T",D,U

56-Dr. G. M. Kohls, Rocky Mountain Laboratory, U.S. Public Health Service, Hamilton, Montana, 59840.

IXODOIDEA	TROMBIDIOIDEA
Argasidae-T,T",D,U	2*Trombiculidae-T,T",D,U
1*Ixodidae-T,T",D,U	

1* = Schulze Collection, in part.

2* = H. E. Ewing Collection, in part.

NOTE: The Rocky Mountain Laboratory, National Institute of Health Collections are eventually destined for the United States National Museum. The entire collection of Trombiculidae is on long-term loan to the Bishop Museum, # 67, page 49, Dr. Lee Goff.

57-Dr. Conrad E. Yunker, Rocky Mountain Laboratory, U.S. Public Health Service, Hamilton, Montana 59840

Parasitiformes	CHEYLETOIDEA	LISTROPHOROIDEA
GAMASINA-U	Cheyletidae-T",D,U	Chlorhynchobiidae-T",D
Ascidae-T",D,U	*Syringophilidae-T",D	Listrophoridae (s.sl.)-D,U
Dasyponyssidae-T"	Acaridei	PSOROPTOIDEA
Dermanyssidae (s.st.)-T",D,U	ACAROIDEA-U	Gastronyssidae-T",D
Haemogamasidae-D,U	Ewingidae-T",D	Pneumocoptidae-D
Halarachnidae-D	Glycyphagidae-D,U	Psoroptidae-D
Histrichonyssidae-T",D,U	Labidophoridae-T",U	Yunkeracaridae-D
Laelapidae-T",D,U	Rosensteiniidae-U	ANALGOIDEA-U
Macronyssidae-T,T",D,U		SARCOPTOIDEA
Manitherionyssidae-D		Knemidocoptidae-D
Spelaeorhynchidae-U		Sarcoptidae-D
Spinturnicidae-D		Teinocoptidae-D

* = G.M. Clark Collection.

NOTE: The Rocky Mountain Laboratory, National Institute of Health Collections are eventually destined for the United States National Museum.

58-Dr. Asher E. Treat, 51 Colonial Parkway, Dumont, New Jersey 07628.

GAMASINA	Otopheidomenidae-T",D	ERYTHRAEOIDEA
Ameroseiidae-T",D,U	Phytoseiidae-D	Erythraeidae-U
Ascidae-T",D,U	TARSONEMOIDEA	TROMBIDIOIDEA
Dermanyssidae (s.st.)-D	Pyemotidae-U	Trombidiidae-U
Iphiopsidae-T",D	Tarsonemidae-D	ACAROIDEA
Laelapidae-D,	TYDEOIDEA	Carpoglyphidae-D
	Tydeidae-T",D,U	Glycyphagidae-D
		Saproglyphidae-D

59-Dr. Maurice H. Farrier, Department of Entomology, North Carolina State University at Raleigh, Box 5215, Raleigh, North Carolina, 27607.

GAMASINA
Phytoseiidae-D
Rhodacaridae-U
Veigaiidae-T
Zerconidae-D

60-Dr. Paul Peterson, Department of Biology, Youngstown State University, 410 Wick Avenue, Youngstown, Ohio 44503.

Acaridei
ANALGOIDEA
Analgidae-D,U
Dermoglyphidae-D,U
Freyanidae-D,U
Proctophyllodidae-T,T",D,U

61-Dr. Stanley B. Mulaik, Department of Zoology, University of Utah, Salt Lake City, Utah 84112.

Parasitiformes
IXODOIDEA
Ixodidae-D
CAECULOIDEA
Caeculidae-T,T",D,U

62-Dr. Vernon T. Tipton, Department of Zoology, Brigham Young University, Provo, Utah 84601.

Parasitiformes
GAMASINA
Dermanyssidae (s.st.)-D
Laelapidae-D
Macronyssidae-D
Spelaeorhynchidae-D

63-Dr. Louis J. Metz, Forestry Sciences Laboratory, P.O. Box 12254, Research Triangle Park, North Carolina 27709.

Parasitiformes	Parholaspidae-D,U	Zerconidae-D,U
GAMASINA	Phytoseiidae-D,U	TARSONEMOIDEA
Ascidae-D,U	Podocinidae-D,U	Pyemotidae-U
Laelapidae-U	Rhodacaridae-D,U	BDELLOIDEA
Parasitidae-D,U	Veigaiidae-D,U	Bdellidae-U
		Cunaxidae-U
		*Oribatei-D,U

* = A.P. Jacot Collection in part, determined species only.

64-Dr. Wilbur R. Enns, Department of Entomology, University of Missouri, I-79 Agriculture Building, Columbia, Missouri 65201.

Opilioacariformes	Pachylaelapidae-U	IXODOIDEA
Opilioacaridae-D	Parasitidae-U	Argasidae-D,U
Parasitiformes	Phytoseiidae-T",D,U	Ixodidae-D,U
SEJINA	Podocinidae-D,U	Endeostigmata
Sejidae-U	Rhinonyssidae-D,U	PACHYGNATHOIDEA
Uropodellidae-U	Rhodacaridae-U	Alichorhagiidae-U
GAMASINA	Spinturnicidae-U	Nanorchestidae-U
Ameroseiidae-U	Veigaiidae-U	Pachygnathidae-U
Ascidae-U	Zerconidae-D,U	TARSONEMOIDEA
Dermanyssidae (s.st.)-D	UROPODINA-U	Podapolipodidae-D
Digamasellidae-U	DIARTHROPHALLINA	Pyemotidae-D,U
Entonyssidae-U	Diarthrophallidae-D,U	Scutacaridae-U
Epicriidae-U	ANTENNOPHORINA	Tarsonemidae-U
Eviphididae-U	Antennophoridae-U	ANYSTOIDEA
Haemogamasidae-U	Cercomegistidae-U	Anystidae-U
Halarachnidae-D	Diplogyniidae-U	Heterocheylidae-U
Heterozerconidae-U	Euzerconidae-D,U	Pterygosomidae-U
Ixodorhynchidae-D,U	Hoplomegistidae-U	Teneriffiidae-D
Laelapidae-D,U	Megisthanidae-D	BDELLOIDEA
Macrochelidae-D,U	Paramegistidae-U	Bdellidae-D,U
Macronyssidae-D,U	Parantennulidae-U	Cunaxidae-U
Neoparasitidae-U		

(Continued next page)

64-continued: Dr. Wilbur R. Enns, Department of Entomology, University of Missouri, I-79 Agriculture Building, Columbia, Missouri 65201.

CAECULOIDEA	Hydrachnellae-U	Epidermoptidae-U
Caeculidae-T",D,U	HYDRACHNOIDEA	Freyanidae-U
CHEYLETOIDEA	Hydrachnidae-U	Proctophyllodidae-D,U
Cheyletidae-T",D,U	EYLAOIDEA	SARCOPTOIDEA
Cloacaridae-D,U	Eylidae-U	Knemidocoptidae-D
Demodicidae-D,U	HYDRAYPHANTOIDEA	Sarcoptidae-D,U
Harpyrhynchidae-U	Hydryphantidae-U	CYTODITOIDEA
Myobiidae-U	LEBETIOIDEA	Cytoditidae-U
Syringophilidae-U	Lebertiidae-U	Oribatei-U
ERIOPHYOIDEA	HYGROBATOIDEA	PALEACAROIDEA
Eriophyidae-D,U	Hygrobatidae-U	Paleacaridae-U
EUPODODIDEA	Limnesiidae-U	ENARTHRONOTA
Eupodidae-D,U	Pionidae-U	Hypochthoniidae-U
Penthaleidae-D	Unionicolidae-U	PHTHIRACAROIDEA
Penthaloididae-U	ATUROIDEA	Phthiracaridae-U
Rhagidiidae-U	Axonopsidae-U	LOHMANNIOIDEA
LABIDOSTOMMOIDEA	ARRENUROIDEA	Epilohmanniidae-U
Labidostommidae-U	Arrenuridae-U	Lohmanniidae-U
RAPHIGNATHOIDEA	Acaridei	NOTHROIDEA
Cryptognathidae-U	ANOETOIDEA	Camisiidae-U
Neophyllobiidae-D	Anoetidae-D,U	EREMAEOIDEA
Raphignathidae-U	CANESTRINOIDEA	Eremaeidae-U
Stigmaeidae-D,U	Canestriniidae-U?	HERMANIELLOIDEA
Tarsocheylidae-U	Hemisarcoptidae-U	Hermanniellidae-U
TETRANYCHOIDEA	ACAROIDEA	UNGROUPED FAMILIES
Tenuipalpidae-T",D,U	Acaridae-U	Carabodidae-U
Tetranychidae-T",D,U	Chortoglyphidae-U	Damaeidae-U
TYDEOIDEA	Ewingidae-U	PORONOTICAE
Ereynetidae-T",D,U	Glycyphagidae-U	LOWER PLICATES
Paratydeidae-U	Labidophoridae-U	Cymbaeremaeidae-U
Tydeidae-U	Rosensteiniidae-U	APOPHEREDERMES
ERYTHRAEOIDEA	Saproglyphidae-U	Oribatellidae-U
Calyptostomidae-U	LISTROPHOROIDEA	EXCENTROSCLEROSAE
Erythraeidae-U	Listrophoridae (s.sl.)-U	Haplozetidae-U
Smaridiidae-U	Myocoptidae-U	Oribatulidae-U
TROMBIDIOIDEA	PSOROPTOIDEA	MACROSCLEROSAE
Trombiculidae-D,U	Psoroptidae-D,U	Ceratozetidae-U
Trombidiidae-D,U	ANALGOIDEA	Galumnidae-U
	Analgidae-D,U	
	Dermoglyphidae-D,U	

65-Dr. Marcel R. Reeves, Department of Entomology, Nesmith Hall, University of New Hampshire, Durham, New Hampshire 03824.

Parasitiformes	UROPODINA-U	CHEYLETOIDEA
SEJINA	IXODOIDEA	Cheyletidae-U
Sejidae-U	Argasidae-D	ERIOPHYOIDEA
GAMASINA	Ixodidae-D	Eriophyidae-U
Ascidae-U	Endeostigmata	EUPODOIDEA
Dermanyssidae (s.st.)-U	PACHYGNATHOIDEA	Eupodidae-U
Epicriidae-U	Alichorhagiidae-U	Penthaleidae-U
Haemogamasidae-U	Lordalychidae-U	Penthalodidae-U
Laelapidae-U	Nanorchestidae-U	Rhagidiidae-U
Macrochelidae-U	Pachygnathidae-U	RAPHIGNATHOIDEA
Macronyssidae-U	Sphaerolichidae-U	Caligonellidae-U
Neoparasitidae-U	TARSONEMOIDEA	Cryptognathidae-U
Parasitidae-D,U	Pyemotidae-U	Stigmaeidae-U
Parholaspididae-D,U	Scutacaridae-U	TETRANYCHOIDEA
Phytoseiidae-D,U	Tarsonemidae-U	Tenuipalpidae-D,U
Podocinidae-U	ANYSTOIDEA	Tetranychidae-T",D
Rhinonyssidae-U	Anystidae-U	TYDEOIDEA
Rhodacaridae-U	Pseudocheylidae-U	Ereynetidae-U
Veigaiidae-D,U	BDELLOIDEA	Tydeidae-U
Zerconidae-U	Bdellidae-D,U	
	Cunaxidae-U	

(Continued next page)

65-continued: Dr. Marcel R. Reeves, Department of Entomology, Nesmith Hall, University of New Hampshire, Durham, New Hampshire 03824.

ERYTHRAEOIDEA	LOHMANNIOIDEA	Eutegaeidae-D,U
Erythraeidae-U	Epilohmanniidae-D,U	Liacaridae-D,U
Smaridiidae-U	Eulohmanniidae-D,U	Niphocephidae-D,U
TROMBIDIOIDEA	Lohmanniidae-D,U	Oppiidae-D,U
Trombiculidae-U	NOTHROIDEA	Peloppiidae-D,U
Trombidiidae-U	Camisiidae-D,U	Suctobelbidae-D,U
Acaridei	Malaconothridae-D,U	Tenuialidae-D,U
ACAROIDEA-U	Nanhermanniidae-D,U	Thyrisomidae-D,U
ANALGOIDEA	Nothridae-D,U	PORONOTICAE
Analgidae-U	Trhypochthoniidae-D,U	LOWER PLICATES
Proctophyllodidae-U	NEOLIODOIDEA	Cymbaeremaeidae-D,U
Oribatei	Neoliodidae-D,U	Licneremaeidae-D,U
PALEACAROIDEA	EREMAEPODEA	Micreremidae-D,U
Paleacaridae-D	Eremaeidae-D,U	Passalozetidae-D,U
PARHYPOCHTHONIOIDEA	HERMANIELLOIDEA	Tectocephidae-D,U
Gehypochthoniidae-D	Hermannelliidae-D,U	HIGHER PLICATES
Parhypochthoniidae-D	PLATEREMAEOIDEA	Achipteriidae-D,U
ERARTHRONOTA	Gymnodamaeidae-D,U	Tegoribatidae-D,U
Atopochthoniidae-D	AMEROBELBOIDEA	APOPHEREDERMES
Brachychthoniidae-T",D,U	Eremobelbidae-D,U	Oribatellidae-D,U
Cosmochthoniidae-T",D	Eremulidae-D,U	EXCENTROSCLEROSAE
Haplochthoniidae-D	UNGROUPED FAMILIES	Haplozetidae-D,U
Hypochthoniidae-D	Astegistidae-D,U	Oribatulidae-D,U
Pterochthoniidae-D	Autogentidae-D,U	Oripodidae-D,U
MESOPLOPHOROIDEA	Caleremaeidae-D,U	Parakalummidae-D,U
Archoplophoridae-D	Carabodidae-D,U	MACROSCLEROSAE
PHTHIRACAROIDEA	Cepheidae-D,U	Ceratozetidae-T",D,U
Euphthiracaridae-D,U	Ceratoppiidae-D,U	Galumnidae-D,U
Phthiracaridae-D,U	Damaeidae-D,U	Mycobatidae-D,U

66-Dr. Rodger D. Mitchell, Faculty of Zoology, Ohio State University, 1735 Neill Avenue, Columbus, Ohio 43210.

Hydrachnellae-D,U	HYDRYPHANTOIDEA	ATUROIDEA
HYDROVOLZIOIDEA	Thermacaridae-T"	Aturidae-T"
Hydrovolziidae-T"	HYGROBATOIDEA	ARRENUROIDEA
EYLAOIDEA	Unionicolidae-T"	Arrenuridae-T"
Piersidiidae-T"		

67-Drs. Frank Radovsky, JoAnn Tenorio, Lee Goff, Department of Entomology, Bernice P. Bishop Museum, Honolulu, Hawaii, 96818. See also # 56, page 46: Trombiculidae collections.

Parasitiformes	Parholaspididae-U	ANYSTOIDEA
SEJINA	Phytoseiidae-T,D	Anystidae-U
Sejidae-D	Podocinidae-U	Pterygosomidae-D,U
GAMASINA	Rhinonyssidae-T,T",D,U	BDELLOIDEA
Ameroseiidae-T,D	Rhodacaridae-T,D	Bdellidae-D,U
Ascidae-D,U	Spinturnicidae-T,D,U	Cunaxidae-U
Dasyponyssidae-T,T"	Veigaiidae-T,D,U	CHEYLETOIDEA
Dermanyssidae (s.st.)-T,T",D,U	Zerconidae-T,U	Cheyletidae-T,D,U
Digamasellidae-D,U	ANTENNOPHORINA	Demodicidae-D
Entonyssidae-D	Parantennulidae-T,D	Harpyrhynchidae-D
Eviphididae-T,D	IXODOIDEA	Myobiidae-T,T",D
Haemogamsidae-D,U	Argasidae-D,U	Psorergatidae-D,U
Halarachnidae-D,U	Ixodidae-T,D,U	EUPODOIDEA
Heterozerconidae-U	Endeostigmata	Eupodidae-T,D,U
Laelapidae-T,T",D,U	PACHYGNATHOIDEA	Penthaleidae-T,D
Macrochelidae-D,U	Nanorchestidae-T,D,U	Penthalodidae-D,U
Macronyssidae-T",D,U	TARSONEMOIDEA	Rhagidiidae-T,D,U
Neoparasitidae-D	Pyemotidae-D	HALACAROIDEA
Otopheidomenidae-D	Scutacaridae-U	Halacaridae-D
Pachylaelapidae-D		
Parasitidae-D,U		

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67-continued: Drs. Frank Radovsky, JoAnn Tenorio, Lee Goff, Department of Entomology, Bernice P. Bishop Museum, Honolulu, Hawaii, 96818. See also # 56, page 46: Trombiculidae collections.

IOLINOIDEA	PSOROPTOIDEA	Nanhermanniidae-U
Ioliniidae-U	Psoroptidae-D	*Nothridae-T,U
RAPHICNATHOIDEA	ANALGOIDEA	Trhypochthoniidae-D
Raphignathidae-U	Analgidae-D,U	NEOLIOIDOIDEA
Stigmaeidae-T,D,U	Dermoglyphidae-D,U	*Neoliodidae-T
TETRANYCHOIDEA	Epidermoptidae-D,U	EREMAEOIDEA
Tenuipalpidae-D,U	Freyanidae-U	Eremaeidae-D
Tetranychidae-D,U	Proctophyllodidae-D,U	PLATEREMAEOIDEA
TYDEOIDEA	Turbinoptidae-D,U	*Liodidae-T,T"
Ereynetidae-D,U	SARCOPTOIDEA	UNGROUPEF FAMILIES
Tydeidae-T,D,U	Knemidocoptidae-D,U	*Carabodidae-T,T",D
ERYTHRAEOIDEA	Sarcoptidae-T,D,U	*Eutegaeidae-T
Erythraeidae-U	Teinocoptidae-T,D,U	*Oppiidae-T,U
TROMBIDIOIDEA	Oribatei	*Otocephidae-T
Trombiculidae-T,T",D	ENARTHRONOTA	PORONOTICAE
Trombidiidae-T,T",D,U	Cosmochthoniidae-U	LOWER PLICATES
Acaridei	Hypochthoniidae-U	*Cymbaeremaeidae-T,D
CANESTRINOIDEA	MESOPLOPHOROIDEA	Podacaridae-D
Linobiidae-U	Mesoplophoridae-U	EXCENTROSCLEROSAE
ACAROIDEA	PHTHIRACAROIDEA	*Haplozetidae-T
Acaridae-T,T"	*Euphthiracaridae-T,T",D	*Oribatulidae-T,T",D
Glycyphagidae-D,U	*Phthiracaridae-T,T"	MACROSCLEROSAE
Labidophoridae-D,U	LOHMANNIOIDEA	*Ceratozetidae-T,T",D
Rosensteiniidae-D	*Epilohmanniidae-T,D	*Galumnidae-T,T"
Saproglyphidae-U	Lohmanniidae-U	
LISTROPHOROIDEA	NOTHROIDEA	
Listrophoridae (s.sl.)-T,D,U	Camisiidae-T,D	
Myocoptidae-D,U	Malaconothridae-U	

- - - * = Jacot Collection, in part.

68-Dr. Frank Radovsky, personal collection, Department of Entomology, Bernice P. Bishop Museum, Honolulu, Hawaii, 96818, U.S.A.

GAMASINA
Macronyssidae-T",D,U

69-Dr. J.B. Kethley, Division of Insects, Field Museum of Natural History, Chicago, Illinois 60605.

Parasitiformes	Rhinonyssidae-D	Lordalychidae-D,U
SEJINA	Rhodacaridae-U	Nanorchestidae-U
Sejidae-U	Spinturnicidae-T,T",D,U	Pachygnathidae-D,U
GAMASINA	Veigaiidae-U	Terpnacaridae-U
Ameroseiidae-U	Zerconidae-U	TARSONEMOIDEA
Ascidae-U	UROPODINA-T",D,U	Podapolipodidae-U
Dermanyssidae (s.st.)-T,T",D	DIARTHROPHALLINA	Pyemotidae-T,T",U
Discozerconidae-U	Diarthrophallidae-U	ANYSTOIDEA
Epicriidae-U	ANTENNOPHORINA	Heterocheylidae-U
Eviphididae-D,U	Diplogyniidae-U	Pterygosomidae-U
Halarachnidae-D	Euzerconidae-U	BDELLOIDEA
Halolaelapidae-D	Fedrizzidae-U	Bdellidae-D,U
Heterozerconidae-U	Hoplomegistidae-U	Cunaxidae-D,U
Iphiopsidae-U	Klinckostroemiidae-U	CAECULOIDEA
Ixodorhynchidae-D,U	Megisthanidae-D	Caeculidae-U
Laelapidae-T,T",D,U	Parantennulidae-T",D,U	CHEYLETOIDEA
Macrochelidae-T,T",D	Schizogyniidae-U	Cheyletidae-U
Macronyssidae-T,T",D	IXODOIDEA	Demodicidae-T"
Otopheidomenidae-T,D	Argasidae-T,T",D,U	Herpyrhynchidae-U
Pachylaelapidae-U	Ixodidae-T,T",D,U	Myobiidae-T",D
Parasitidae-U	Endeostigmata	Ophioptidae-D,U
Phytoseiidae-D	PACHYGNATHOIDEA	Psorergatidae-T",D
Podocinidae-U	Alichorhagiidae-D,U	Syringophilidae-D,U
Rhinonyssidae-D		

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69-cont'd: Dr. J.B. Kethley, Division of Insects, Field Museum of Natural History, Chicago, Illinois, 60605.

EUPODOIDEA	Hydryphantidae-T, T", D	BOGATOIDEA
Eupodidae-U	Thermacaridae-T	Horreolanidae-T"
Penthaleidae-U	Thyasidae-T, T", D	ARRENUROIDEA
Penthalodidae-U	LEBERTIOIDEA	Arrenuridae-T, T", D
Rhagidiidae-U	Anisitsiellidae-T, T", D	Hungarohydracaridae-T, T"
LABIDOSTOMMOIDEA	Lebertiidae-T, T"	Acaridei
Labidostommidae-U	Oxidae-T, T", D	CANESTRINOIDEA
RAPHIGNATHOIDEA	Pseudohydryphantidae-D	Canestriniidae-U
Cryptognathidae-U	Spherconidae-T, T", D	Linobiidae-D
Homocaligidae-U	Teutoniidae-T	ACAROIDEA
Neophyllobiidae-U	Torrenticolidae-T, T", D	Ewingidae-D, U
Raphignathidae-U	HYGROBATOIDEA	Fusacaridae-U
Stigmaeidae-U	Feltriidae-T, T", D	Glycyphagidae-T", D
TYDEOIDEA	Hygrobatidae-T, T", D	Hypoderidae-U
Ereynetidae-T", D, U	Limnesiidae-T, T", D	Rosensteiniidae-T, T"
Paratydeidae-U	Pionidae-T, T", D	LISTROPHOROIDEA
Tydeidae-U	Unionicolidae-T, T", D	Chirorhynchobiidae-T"
TROMBIDIOIDEA	ATUROIDEA	Listrophoridae (s.sl.)-D
Trombiculidae-T, T", D, U	Aturidae-T, T", D	Myocoptidae-T", D
Trombidiidae-D, U	Axonopsidae-T, T", D	PSOROPTOIDEA
*Hydrachnellae-T, T", D, U	MIDEOPSOIDEA	Psoroptidae-T", D
HYDROVOLZIOIDEA	Mideidae-T	ANALGOIDEA
Hydrovolziidae-T, T"	Mideopsidae-T	Analgidae-U
HYDRACHNOIDEA	Momoniidae-T	Dermoglyphidae-U
Hydrachnidae-T, T", D	Neoacaridae-T, T"	Epidermoptidae-U
EYLAOIDEA	Nipponacaridae-T"	Freyanidae-U
Eylaidae-T, T", D	Uchidastygacaridae-T, T"	Proctophyllodidae-T, T", D
Limnocharidae-T, T"	ACALYPTONOTOIDEA	SARCOPTOIDEA
Piersigiidae-T"	Athienemanniidae-T, T", D	Knemidodocoptidae-U
Protziidae-T, T", D	Harpagopalpidae-T, T"	Sarcoptidae-D
HYDRYPHANTOIDEA	Krendowskiidae-T	Oribatei-U
Hydrodromidae-T, T", D		

* = Marshall Collection.

70-Dr. J.B. Kethley, personal collection, Division of Insects, Field Museum of Natural History, Chicago, Illinois 60605.

CHEYLETOIDEA	TYDEOIDEA
Syringophilidae-T", D, U	Ereynetidae-T", D

71-Dr. Donald E. Johnston, The Acarology Laboratory, The Ohio State University, 484 W. 12th Avenue, Columbus, Ohio 43210.

Parasitiformes	Otopheidomenidae-T"	TARSONEMOIDEA
HOLOTHYRINA	Pachylaelapidae-U	Pyemotidae-D
Holothyridae-U	Parasitidae-D, U	Tarsonemidae-D
SEJINA	Parholaspidae-D, U	BDELLOIDEA
Ichthyostomato-	Phytoseiidae-D	Bdellidae-D
gasteridae-U	Podocinidae-D	CAECULOIDEA
Sejidae-U	Rhinonyssidae-D	Caeculidae-U
Uropodellidae-U	Spelaeorhynchidae-D	CHEYLETOIDEA
GAMASINA	Spinturnicidae-D	Cheyletidae-D
Ascidae-D, U	Veigaiidae-D	Cloacaridae-D
Dermanyssidae (s.st.)-D	Zerconidae-D	RAPHIGNATHOIDEA
Digamasellidae-D	UROPODINA-D, U	Tarsocheylidae-T"
Entonyssidae-T"	DIARTHROPHALLINA	TETRANYCHOIDEA
Epicriidae-D	Diarthrophallidae-D	Tenuipalpidae-D
Eviphididae-D, U	ANTENNOPHORINA-D, U	Tetranychidae-D
Haemogamasidae-D	IXODIDOIDEA	TROMBIDIOIDEA
Hystrihonyssidae-T"	Nuttalliellidae-D	Trombiculidae-T", D
Ixodorhynchidae-T"	Endeostigmata	Trombidiidae-U
Laelapidae-D, U	PACHYGNATHOIDEA	Hydrachnellae-D
Macrochelidae-D	Nanorchestidae-D	Acaridei
Macronyssidae-T", D	Pachygnathidae-D	ACAROIDEA
Manitherionyssidae-D	Pediculochelidae-D	Carpoglyphidae-D
Microgyniidae-D		Ewingidae-D, U
Omentolaelapidae-T"		

(Continued next page)

71-continued: Dr. Donald E. Johnson, The Acarology Laboratory, The Ohio State University, 484 W. 12th Ave.
Columbus, Ohio 43210.

PSOROPTOIDEA	Malaconothridae-D,U	Otocephelidae-U
Gastronyssidae-T"	Nanhermanniidae-D,U	Rhynchoribatidae-D
Lemurnyssidae-T"	Nothridae-D,U	Suctobelbidae-D,U
Pneumocoptidae-T"	Trhypochthoniidae-D,U	Tenuialidae-D
Pyroglyphidae-D	NEOLIODOIDEA	PORONOTICAE
Yunkeracaridae-T"	Neoliodidae-U	LOWER PLICATES
CYTODITOIDEA	ZETORCHESTOIDEA	Ameronothridae-D
Laminosioptidae-D	Zetorchestidae-D	Charassobatidae-U
Oribatei-D,U	EREMAEOIDEA	Cymbaeremaeidae-D
PALEACAROIDEA	Eremaeidae-U	Fortuyniidae-D
Acaronychidae-D	HERMANIELLOIDEA	Podacaridae-D
Ctenacaridae-D	Hermanniellidae-D	Scutoverticidae-D
Paleacaridae-D	Plasmobatidae-U	Tectocephelidae-D,U
ENARTHRONOTA	PLATEREMAEOIDEA	HIGHER PLICATES
Atopochthoniidae-D	Gymnodamaeidae-U	Achipteridae-D,U
Haplochthoniidae-D	Plateremaeidae-U	Phenopelopidae-D,U
Hypochthoniidae-D	AMEROBELBOIDEA	Tegoribatidae-D
Pterochthoniidae-D	Ameridae-D	APOPHEREDERMES
Sphaerochthoniidae-D	Eremobelbidae-D	Oribatellidae-D,U
PROTOPLOPHOROIDEA	UNGROUPED FAMILIES	EXCENTROSCLEROSAE
Protoplophoridae-U	Carabodidae-D	Haplozetidae-D
Mesoplophoridae-D	Cepheidae-D	Mochlozetidae-U
PHTHIRACAROIDEA	Damaeidae-U	Neotrichozetidae-D
Euphthiracaridae-D,U	Dampfiellidae-U	Oribatulidae-D,U
Phthiracaridae-D,U	Eutegaeidae-U	Oripodidae-D,U
LOHMANNIOIDEA	Gustaviidae-D	Parakalummidae-D
Epilohmanniidae-U	Heterobelbidae-D	MACROSCLEROSAE
Eulohmanniidae-D	Hydrozetidae-D	Ceratozetidae-D,U
Lohmanniidae-U	Liacaridae-U	Chamobatidae-D
Perlohmanniidae-U	Limozetidae-D	Euzetidae-D
NOTHROIDEA	Microzetidae-U	Galumnidae-D,U
Camisiidae-D	Oppiidae-D,U	Mycobatidae-D
Hermanniidae-D		UNGROUPED FAMILIES
Holonothridae-U		Epactozetidae-U

72-Drs. R.E. Crabill, Jr., Supervisor-Curator for Myriapoda and Arachnida, and E. Baker, Smithsonian Institution, National Museum of Natural History, Washington, D.C. 20250.

Parasitiformes	Veigaiidae-T	CHEYLETOIDEA
GAMASINA	Zerconidae-U	Cheyletidae-T,D
Ameroseiidae-D,U	UROPODINA-U	Myobiidae-T
Arctacaridae-T",D	DIARTHROPHALLINA	Syringophilidae-T"
Ascidae-T,D,U	Diarthrophallidae-T	ERIOPHYOIDEA
Dasyponyssidae-T"	ANTENNOPHORINA	Eriophyidae-D,U
Dermanyssidae (s.st.)-T	Celaenopsidae-U	EUPODOIDEA
Discozerconidae-T"	Cercomegistidae-T	Eupodidae-U
Entonyssidae-T"	Diplogyniidae-T	Penthalodidae-T
Eviphididae-U	Euzerconidae-T,U	Rhagidiidae-U
Haemogamasidae-T,D,U	Megisthanidae-D	HALACAROIDEA
Hystrihonyssidae-T	TARSONEMOIDEA	Halacaridae-T"
Ixodorhynchidae-T,T"	Podapolipodidae-T"	IOLINOIDEA
Laelapidae-T,D,U	Pyemotidae-D,U	Ioliniidae-T
Macrochelidae-T	Scutacaridae-U	LABIDOSTOMMOIDEA
Macronyssidae-T,D	Tarsonemidae-T,D	Labidostommidae-U
Microgyniidae-T	ANYSTOIDEA	RAPHIGNATHOIDEA
Omentolaelapidae-T"	Anystidae-U	Cryptognathidae-U
Otopheidomenidae-T"	Pseudocheylidae-T	Eupalopsellidae-U
Pachylaelapidae-U	Pterygosomidae-T	Neophyllobiidae-U
Parasitidae-U	Teneriffiidae-U	Pomerantzidae-T
Parholaspidae-T	BDELLOIDEA	Raphignathidae-T,U
Phytoseiidae-T,D,U	Bdellidae-T,D,U	Stigmaeidae-T
Podocnidae-U	Cunaxidae-T,D,U	Tarsocheylidae-T
Rhinonyssidae-T	CARCULOIDEA	TETRANYCHOIDEA
Spelaeorhynchidae-T	Caeculidae-T",U	Allochaetophoridae-T
Splaturidae-T		

(Continued next page)

72-continued: Drs. R.E. Crabhill, Jr, Supervisor-Curator for Myriapoda and Arachnida, and E. Baker
Smithsonian Institution, National Museum of Natural History, Washington, D.C. 20250.

TETRANYCHOIDEA cont'd.	PSOROPTOIDEA	PLATEREMAEOIDEA
Linotetranaidae-T	Audycoptidae-T"	Gymnodamaeidae-T
Tenuipalpidae-T,D	Gastronyssidae-T"	AMEROBELBOIDEA
Tetranychidae-T,D	Lemurnyssidae-T"	Eremobelbidae-T
Tuckerellidae-T,D	Lobalgidae-T"	UNGROUPED FAMILIES
TYDEOIDEA	Pneumocoptidae-T	Carabodidae-T
Ereynetidae-T,T"	Pyroglyphidae-T	Cepheidae-T
Nematalycidae-T	Yunkeracaridae-T	Ceratoppiidae-T
Paratydeidae-T	ANALGOIDEA	Damaeidae-T
Tydeidae-T	Turbinoptidae-T	Eutegaeidae-T
ERYTHRAEOIDEA	SARCOPTOIDEA	Liacaridae-T
Eythraeidae-U	Knemidocoptidae-D	Oppiidae-T
Smaridiidae-T	Sarcoptidae-D	Suctobelbidae-T
TROMBIDIOIDEA	Oribatei	Tenuialidae-T
Trombiculidae-T	PALEACAROIDEA	PORONOTICAE
Trombidiidae-T,U	Acaronychidae-T	HIGHER PLICATES
Acaridei	Paleacaridae-T	Achipteriidae-T
ANOETOIDEA	PARHYPOCHTHONIOIDEA	Phenopelopidae-T
Anoetidae-T,U	Gehypochthoniidae-T	Tegoribatidae-T
ACAROIDEA	Parhypochthoniidae-T	APOPHEREDERMES
Acaridae-T,D,U	ENARTHRONOTA	Oribatellidae-T
Carpoglyphidae-D	Brachychthoniidae-T	EXCENTROSCLEROSAE
Chaetodactylidae-D	Heterochthoniidae-T	Haplozetidae-T
Chortoglyphidae-D	PHTHIRACAROIDEA	Oribatulidae-T
Ctenoglyphidae-D	Euphthiracaridae-T	Oripodidae-T
Ewingidae-T	Phthiracaridae-T	Parakalamidae-T
Fusacaridae-T	LOHMANNIOIDEA	MACROSCLEROSAE
Glycyphagidae-D	Epilohmanniidae-T	Ceratozetidae-T
Hyadesiidae-T	NOTHROIDEA	Galumnidae-T
Rosensteiniidae-T	Camisiidae-T	
Saproglyphidae-T	Nothridae-T	

73-Dr. C.F. van de Bund, Plantenziektenkundige Dienst, Wageningen, Netherlands.

Parasitiformes	ANYSTOIDEA	Carpoglyphidae-D
GAMASINA-D,U	Anystidae-D	Chaetodactylidae-D
Ascidae-D	Pterygosomidae-D	Chortoglyphidae-D
Dermanyssidae (s.st.)-D	BDELLOIDEA	Glycyphagidae-D
Entonyssidae-D	Bdellidae-D	Oribatei
Epicriidae-D	Cunaxidae-D,U	ENARTHRONOTA
Eviphididae-D	CHEYLETOIDEA	Hypochthoniidae-D
Haemogamasidae-D	Cheyletidae-D	PHTHIRACAROIDEA
Laelapidae-D	ERIOPHYOIDEA	Phthiracaridae-D
Macrochelidae-D	Eriophyidae-D,U	LOHMANNIOIDEA
Macronyssidae-D	EUPODOIDEA	Eulohmanniidae-D
Neoparasitidae-D	Eupodidae-U	NOTHROIDEA
Pachylaelapidae-D	Penthaleidae-D	Camisiidae-D
Parasitidae-D	Rhagidiidae-D,U	Hermannidae-D
Parholaspidae-D	RAPHIGNATHOIDEA	Malaconothridae-D
Phytoseiidae-D	Raphignathidae-D,U	Nanhermanniidae-D
Podocinidae-D	TETRANYCHOIDEA	Nothridae-D
Rhodacaridae-D	Tenuipalpidae-D,U	Trhypochthoniidae-D
Veigaiidae-D	Tetranychidae-D	EREMAEOIDEA
Zerconidae-D	TYDEOIDEA	Eremaeidae-D
UROPODINA-D,U	Tydeidae-D,U	AMEROBELBOIDEA
Endeostigmata	ERYTHRAEOIDEA	Ameridae-D
PACHYGNATHOIDEA	Erythraeidae-D	UNGROUPED FAMILIES
Alichorhagiidae-D	TROMBIDIOIDEA	Carabodidae-D
Nanorchestidae-U	Trombidiidae-D,U	Liacaridae-D
Pachygnathidae-U	Acaridei	Oppiidae-D
TARSONEMOIDEA	ANOETOIDEA	Suctobelbidae-D,U
Pyemotidae-D,U	Anoetidae-D,U	
Scutacaridae-D,U	ACAROIDEA	
Tarsonemidae-D,U	Acaridae-D	

(Continued next page)

73-continued: Dr. C.F. van de Bund, Plantenziektenkundige Dienst, Wageningen, Netherlands.

PORONOTICAE	EXCENTROSCLEROSAE	Chamobatidae-D
LOWER PLICATES	Oribatulidae-D	Euzetidae-D
Micreremidae-D	MACROSCLEROSAE	Galumnidae-D
Tectocephidae-D	Ceratozetidae-D	Mycobatidae-D

74-Dr. Z.W. Suski, Instytut Sadownictwa, Skierniewice, ul. Pomologiczna 22, Poland.

Parasitiformes	Tarsonemidae-T,D,U
GAMASINA	TETRANYCHOIDEA
Phytoseiidae-D,U	Tetranychidae-D,U
TARSONEMOIDEA	TYDEOIDEA-
Pyemotidae-D,U	

75-Dr. Hans-Dieter Engelmann, Staatliches Museum für Naturkunde Forschungsstelle, 89 GÖrlitz, German Democratic Republic.

Oribatei-T,D,U

76-Dr. J.H. de Gunst, Institute for Biological Field Research, Kemperbergerweg 11, Arnhem, Netherlands.

Parasitiformes	Oribatei	Ceratoppiidae-D
GAMASINA	PALEACAROIDEA	Damaeidae-D
Epicriidae-D	Paleacaridae-D	Gustaviidae-D
Eviphididae-D	ENARTHRONOTA	Liacaridae-D
Macrochelidae-D,U	Brachychthoniidae-D,U	Oppiidae-D,U
Parasitidae-D,U	Heterochthoniidae-D	Suctobelbidae-D,U
Rhodacaridae-U	Hypochthoniidae-D	Tenuialidae-D
Spinturnicidae-U	PHTHIRACAROIDEA	Thyrisomidae-D
Veigaiidae-D,U	Euphthiracaridae-D	PORONOTICAE
Zerconidae-D,U	Phthiracaridae-D	LOWER PLICATES
UROPODINA-D,U	LOHMANNIOIDEA	Ameronothridae-D
IXODOIDEA	Eulohmanniidae-D	Cymbaeremaeidae-D
Ixodidae-D	NOTHROIDEA	Licneremaeidae-D
Endeostigmata	Camisiidae-D	Micreremidae-D
PACHYGNATHOIDEA	Hermanniidae-D	Scutoverticidae-D
Pachygnathidae-D	Malaconothridae-D	Tectocephidae-D
TARSONEMOIDEA	Nanhermanniidae-D	HIGHER PLICATES
Scutacaridae-U	Nothridae-D	Achipteriidae-D
Tarsonemidae-U	Trhypochthoniidae-D	APOPHEREDERMES
ANYSTOIDEA	EREMAEOIDEA	Oribatellidae-D
Anystidae-D	Eremaeidae-D	EXCENTROSCLEROSAE
EUPODOIDEA	HERMANIELLOIDEA	Oribatulidae-D
Rhagidiidae-U	Hermanniellidae-D	MACROSCLEROSAE
LABIDOSTOMMOIDEA	UNGROUPED FAMILIES	Ceratozetidae-D
Labidostommidae-D	Carabodidae-D	Chamobatidae-D
TROMBIDIOIDEA	Cepheidae-D	Euzetidae-D
Trombidiidae-U		Galumnidae-D
		Mycobatidae-D

77-Dr. Wit Chmielewski, Laboratory of Acarology, Institute of Plant Protection, Mieczurina 20, Poznan, Poland.

GAMASINA-U	Pyemotidae-U	Acaridae-D,U
Macrochelidae-D,U	Scutacaridae-D,U	Carpoglyphidae-D
Parasitidae-U	Tarsonemidae-D,U	Chortoglyphidae-D
Phytoseiidae-D	CHEYLETOIDEA	Ctenoglyphidae-D
UROPODINA-U	Cheyletidae-D	Glycyphagidae-D
TARSONEMOIDEA-U	ACAROIDEA	Oribatei-U

78-Dr. Kirby W. Brown, Entomology Section, Peabody Museum of Natural History, Yale University, New Haven, Connecticut 06520.

Hydrachnellae
HYDRACHNOIDEA
*Hydrachnidae-D

EYLAOIDEA
*Eylaidae-D
*Protziidae-T"

HYDRYPHANTOIDEA
*Hydryphantidae-T"
HYGROBATOIDEA
*Hygrobatidae-T",D

* = YNIE, Yale North India Expedition of 1932, collected by G.E. Hutchinson, determined by Lundblad, 1934.

79-Dr. Franz Mihelcic, Laboratorium fur Biologie der Bodetiere, St. Johann i. Walde, 9900 Lienz-Amlach, Osttirol, Austria.

GAMASINA
Zerconidae-T,T",D,U
ANYSTOIDEA
Anystidae-T,T",D,U
Teneriffiidae-T,T"
BDELLOIDEA
Bdellidae-T"
Cunaxidae-T",D
EUPODOIDEA
Rhagidiidae-T,T"
ERYTHRAEOIDEA
Erythraeidae-T"
TROMBIDIOIDEA
Johnstonianidae-T,T"
Trombidiidae-T"
Oribatei
PARHYPOCHTHONIOIDEA
Gehypochthoniidae-D
ENARTHRONOTA
Cosmochthoniidae-T,T",D
Hypochthoniidae-T",D
PHTHIRACAROIDEA
Collohmanniidae-T"
Euphthiracaridae-T,T",D,U
LOHMANNIOIDEA
Epilohmanniidae-T"
Lohmanniidae-T"

NOTHROIDEA
Camisiidae-T",D
Hermannidae-T",D
Malaconothridae-T",D
Nanhermanniidae-T,T",D
Nothridae-T,T",D
Trhypochthoniidae-T,T",D
NEOLIODOIDEA
Neoliodidae-T",D
ZETORCHESTOIDEA
Zetorchestidae-D
EREMAEOIDEA
Eremaeidae-T,T",D
HERMANIELLOIDEA
Hermannelliidae-T",D
PLATEREMAEOIDEA
Gymnodamaeidae-T,T",D
Licnobelbidae-T,T",D
Licnodamaeidae-T",D
AMEROBELBOIDEA
Ctenobelbidae-T"
Eremobelbidae-T"
UNGROUPED FAMILIES
Caleremaeidae-T",D
Carabodidae-T,T",D
Cepheidae-T",D
Ceratoppiidae-T",D
Damaeidae-T,T"

Eremellidae-D
Gustaviidae-T",D
Liacaridae-T,T",D
Oppiidae-T,T",D
Peloppiidae-T,T",D
Suctobelbidae-T,T",D
PORONOTICAE
LOWER PLICATES
Cymbaeremaeidae-T",D
Licneremaeidae-T",D
Micreremidae-T,D
Passalozetidae-T,T",D
Scutoverticidae-T,T",D
Tectocephidae-T,T",D
HIGHER PLICATES
Achipteridae-T",D
Tegoribatidae-T",D
APOPHEREDERMES
Oribatellidae-T,T",D
EXCENTROSCLEROSAE
Oribatulidae-T,T",D
MACROSCLEROSAE
Ceratozetidae-T,T",D
Chamobatidae-T",D
Galumnidae-T,T",D
Mycobatidae-T",D

80-Dr. Otto Kepka, Zoologisches Institut der Universität Graz, Universitätsplatz 2, A-8010 Graz, Austria.

TROMBIDIOIDEA
Trombiculidae-D,U

81-Dr. R.N. Sinha, Canada Department of Agriculture Research Station, 25 Dafoe Road, Winnipeg 19, Manitoba, Canada.

Parasitiformes
GAMASINA
Ameroseiidae-D
Ascidae-D
Dermanyssidae (s.st.)-D
Haemogamasidae-D
Laelapidae-D
Macrochelidae-D
Parasitidae-D
Phytoseiidae-D
UROPODINA-D
TARSONEMOIDEA
Podapolipodidae-D
Pyemotidae-D

Tarsonemidae-D
BDELLOIDEA
Bdellidae-D
Cunaxidae-D
CHEYLETOIDEA
Cheyletidae-D
ERIOPHYOIDEA
Eriophyidae-D
EUPODOIDEA
Eupodidae-D
RAPHIGNATHOIDEA
Raphignathidae-D
Stigmaeidae-D

TETRANYCHOIDEA
Tetranychidae-T,T",D
TYDEOIDEA
Tydeidae-D
TROMBIDIOIDEA
Trombiculidae-D
Acaridei
ANOETOIDEA
Anoetidae-D
ACAROIDEA
Acaridae-D
Carpoglyphidae-D
Chortoglyphidae-D
Glycyphagidae-D
Saproglyphidae-D

(Continued next page)

81-continued: Dr. R.N. Sinha, Canada Department of Agriculture Research Station, 25 Dafoe Road, Winnipeg 19, Manitoba, Canada.

PSOROPTOIDEA
Pyroglyphidae-D

Oribatei
ENARTHRONOTA
Cosmochthoniidae-D

NOTHROIDEA
Nothridae-D
UNGROUPED FAMILIES
Carabododae-D

82-Dr. Jan Vanek, Czechoslovak Academy of Sciences, Institute for Landscape Formation and Protection, Ricany II, Bezrucova 927, Czechoslovakia.

Parasitiformes
GAMASINA-U
UROPODINA-U
IXODOIDEA-U
CHEYLETOIDEA-U
LABIDOSTOMMOIDEA-U
TETRANYCHOIDEA-U
Acaridei
ACAROIDEA
Glycyphagidae-U
PSOROPTOIDEA
Psoroptidae-D,U
Oribatei-D,U
PALEACAROIDEA-U
Paleacaridae-D,U
PARHYPOCHTHONIOIDEA-U
Parhypochthoniidae-D,U
ENARTHRONOTA-U
Brachychthoniidae-D,U
Cosmochthoniidae-D
Hypochthoniidae-D,U
MESOPLOPHOROIDEA-U
Mesoplophoridae-D,U
PHTHIRACAROIDEA -U
Collohmanniidae-D
Euphthiracaridae-D,U
Phthiracaridae-D,U
LOHMANNIOIDEA
Eulohmanniidae-D
Lohmanniidae-T
Perlohmanniidae-D
NOTHROIDEA-U
Camisiidae-D,U

Hermanniidae-D,U
Malaconothridae-D,U
Nanhermanniidae-D,U
Nothridae-D,U
Trhypochthoniidae-D,U
PYCNONOTICAE-U
NEOLIODOIDEA
Neoliodidae-D,U
ZETORCHESTOIDEA
Zetorchestidae-D,U
EREMAEOIDEA
Eremaeidae-D,U
HERMANIELLOIDEA-U
Hermanniellidae-D,U
PLATEREMAEOIDEA-U
Gymnodamaeidae-D,U
Licnobelbidae-D,U
Licnodamaeidae-D,U
Plateremaeidae-D,U
AMEROBELBOIDEA-U
Ameridae-D,U
Amerobelbidae-U
Ctenobelbidae-D,U
Eremulidae-D,U
UNGROUPED FAMILIES
Astegistidae-D,U
Autogentidae-D,U
Caleremaeidae-D,U
Carabodidae-D,U
Cepheidae-D,U
Ceratoppiidae-D,U
Damaeidae-D,U
Eremellidae-D,U

Eutegaeidae-D,U
Gustaviidae-D,U
Hydrozetidae-D,U
Liacaridae-D,U
Limnozeteidae-D,U
Microzetidae-U
Niphocephidae-D,U
Oppiidae-D,U
Peloppiidae-D,U
Suctobelbidae-D,U
Thyrisomidae-D,U
PORONOTICAE-U
LOWER PLICATES-U
Ameronothridae-D,U
Cymbaeremaeidae-D,U
Licneremaeidae-D,U
Micreremidae-D,U
Passalozetidae-T,D,U
Scutoverticidae-D,U
Tectocephidae-T,D,U
HIGHER PLICATES-U
Achipteridae-D,U
Phenopelopidae-D,U
Tegoribatidae-D,U
APOPHEREDERMES
Oribatellidae-D,U
EXCENTROSCLEROSAE-U
Oribatulidae-D,U
MACROSCLEROSAE-U
Ceratozetidae-D,U
Chamobatidae-D,U
Euzetidae-D,U
Galumnidae-D,U
Mycobatidae-D,U

83-Dr. Edmund L. Seyd, Manchester Museum, University of Manchester, Manchester 13, England.

Parasitiformes
SEJINA
*Sejidae-D
GAMASINA
*Dermanyssidae (s.st.)-D
*Haemogamasidae-D
*Halarachnidae-D
*Laelapidae-D
*Macrochelidae-D
*Macronyssidae-D
*Pachylaelapidae-D
*Parasitidae-D
*Spinturnicidae-D
*Veigaiidae-D
*Zerconidae-D
UROPODINA-D
ANTENNOPHORINA
*Celaenopsidae-D

IXODOIDEA
*Argasidae-D
*Ixodidae-D
Endeostigmata
TARSONEMOIDEA
*Pyemotidae-D
*Scutacaridae-D
*Tarsonemidae-D
ANYSTOIDEA
*Anystidae-D
BDELLOIDEA
*Bdellidae-D
CHEYLETOIDEA
*Cheyletidae-D
*Demodicidae-D
*Myobiidae-D
*Psorergatidae-D
*Syringophilidae-D

ERIOPHYOIDEA
*Eriophyidae-D
EUPODOIDEA
*Eupodidae-D
RAPHIGNATHOIDEA
*Stigmaeidae-D
TETRANYCHOIDEA
*Tetranychidae-D
TYDEOIDEA
*Ereynetidae-D
*Tydeidae-D
ERYTHRAEOIDEA
*Calypostomidae-D
*Erythraeidae-D
*Smaridiidae-D
TROMBIDIOIDEA
*Johnstonianidae-D

(Continued next page)

83-continued: Dr. Edmund L. Seyd, Manchester Museum, University of Manchester, Manchester 13, England.

*Trombiculidae-D	*Chortoglyphidae-D	*Hermanniidae-D
*Trombidiidae-D	*Ctenoglyphidae-D	*Malaconothridae-D
Hydrachnellae	*Fusacaridae-D	*Nanhermanniidae-D
HYDRACHNOIDEA	*Glycyphagidae-D	*Nothridae-D
*Hydrachnidae-D	*Labidophoridae-D	NEOLIODOIDEA
EYLAOIDEA	*Saproglyphidae-D	*Neoliodidae-D
*Eylaidae-D	LISTROPHOROIDEA	EREMAEOIDEA
*Piersigiidae-D	*Listrophoridae (s.sl.)-D	*Eremaeidae-D
*Protziidae-D	*Myocoptidae-D	UNGROUPED FAMILIES
HYDRYPHANTOIDEA	PSOROPTOIDEA	*Carabodidae-D
*Hydryphantidae-D	*Psoroptidae-D	*Cepheidae-D
*Thyasidae-D	ANALGOIDEA	*Ceratoppiidae-D
LEBERTIOIDEA	*Analidae-D	*Gustaviidae-D
*Lebertiidae-D	*Epidermoptidae-D	*Hydrozetidae-D
*Oxidae-D	*Freyanidae-D	*Liacaridae-D
*Sperchonidae-D	*Proctophylloidiidae-D	*Oppiidae-D
HYGROBATOIDEA	SARCOPTOIDEA	*Peloppiidae-D
*Hygrobatidae-D	*Knemidocoptidae-D	*Thyrisomidae-D
*Limnesiidae-D	*Sarcoptidae-D	PORONOTICAE
*Pionidae-D	CYTODITOIDEA	LOWER PLICATES
*Unionicolidae-D	*Cytoditidae-D	*Cymbaeremaeidae-D
ARRENUROIDEA	Oribatei	*Micreremidae-D
*Arrenuridae-D	ENARTHRONOTA	*Scutoverticidae-D
Acaridei	*Brachychthoniidae-D	*Tectocephidae-D
ANOETOIDEA	*Hypochthoniidae-D	HIGHER PLICATES
*Anoetidae-D	PHTHIRACAROIDEA	*Achipteriidae-D
ACAROIDEA	*Euphthiracaridae-D	AOPHEREDERMES
*Acaridae-D	*Phthiracaridae-D	*Oribatellidae-D
*Carpoglyphidae-D	NOTHROIDEA	EXCENTROSCLEROSAE
*Chaetodactylidae-D	*Camisiidae-D	*Oribatulidae-D
		MACROSCLEROSAE
		*Chamobatidae-D
		*Euzetidae-D

* = Britten Collection.

84-Dr. K. M. Jack, 40 Grosvenor Close, Four Oaks, Sutton Coldfield, Warwickshire, England.

ANYSTOIDEA
Pterygosomidae-T,T",D,U
TROMBIDIOIDEA
Trombiculidae-U

85-Dr. Yves Coineau, Centre d'Ecologie Mediterraneenne du Mas de la Serre, Laboratoire Arago, 66 Banyuls-Sur-Mer, France.

CAECULOIDEA	RAPHIGNATHOIDEA
Caeculidae-T,T",D	Cryptognathidae-D
LABIDOSTOMMOIDEA	TYDEOIDEA
Labidostommidae-T,T",D	Nematalycidae-T,T",D

86-Dr. Joseph Trave, Laboratoire Arago, 66 Banyuls-sur-Mer, France.

HALACAROIDEA-T,T",D,U
Oribatei-T,T",D,U

87-Dr. Ludwig Beck, Institut für Allgemeine Zoologie der Ruhr-Universität, 463 Bochum Buscheystasser, Geb. ND, Postfach 2148, Germany.

Oribatei	PARHYPOCHTHONIOIDEA	ENARTHRONOTA
PALEACAROIDEA	Parhypochthoniidae-D	Brachychthoniidae-D
Acaronychidae-D		Cosmochthoniidae-D,U
Ctenacaridae-D		Haplochthoniidae-U

(Continued next page)

87-Dr. Ludwig Beck, Institut für Allgemeine Zoologie der Ruhr-Universität, 463 Bochum Buschestrasser, Geb. ND, Postfach 2148, Germany.

Hypochthoniidae-D,U	HERMANIELLOIDEA	Otocepheidae-U
Sphaerochthoniidae-U	Hermanniellidae-U	Rhynchoribatidae-D,U
MESOPLOPHOROIDEA	Plasmobatidae-U	PORONOTICAE
Mesoplophoridae-U	PLATEREMAEOIDEA	LOWER PLICATES
PHTHIRACAROIDEA	Gymnodamaeidae-U	Charassobatidae-U
Euphthiracaridae-U	Licnodamaeidae-U	Licneremaeidae-U
Phthiracaridae-U	Plateremaeidae-U	Tectocepheidae-U
LOHMANNIOIDEA	AMEROBELBOIDEA	HIGHER PLICATES
Epilohmanniidae-U	Ctenobelbidae-U	Achipteriidae-U
Eulohmanniidae-U	Eremobelbidae-U	APOPHEREDERMES
Lohmanniidae-D,U	Eremulidae-U	Oribatellidae-U
NOTHROIDEA	UNGROUPEF FAMILIES	EXCENTROSCLEROSAE
Camisiidae-U	Cerabodidae-U	Haplozetidae-D,U
Malaconothridae-D,U	Cepheidae-U	Mochlozetidae-U
Nanhermanniidae-U	Ceratoppiidae-U	Oribatulidae-U
Nothridae-D,U	Damaeidae-U	Parakalummidae-D,U
Trhypochthoniidae-U	Dampfiiellidae-D,U	MACROSCLEROSAE
NEOLIOIDOIDEA	Heterobelbidae-D,U	Ceratozetidae-U
Neoliodidae-U	Microzetidae-U	Galumnidae-U
EREMAEOIDEA	Oppiidae-U	UNGROUPEF FAMILIES
Eremaeidae-U		Epactozetidae-D,U

88-Dr. Eyr, Director and Dr. W. Karg, Biologische Zentralanstalt Berlin, Institut für Pflanzenschutz forchung, DDR-1532 Kleinmachnow, Stahnsdorfer Damm 81, Deutsche Demokratische Republik.

Parasitiformes	Haemogamasidae-D	Rhodacaridae-T,T",D
SEJINA	Halolaelapidae-T,T",D	Veigaiidae-T,T",D
Sejidae-D	Laelapidae-T,T",D	Zerconidae-T,T",D
GAMASINA	Macrochelidae-T,T",D	TARSONEMOIDEA
Ameroseiidae-T,T",D	Macronyssidae-D	Tarsonemidae-D
Arctacaridae-D	Neoparasitidae-D	Acaridei
Ascidae-T,T",D	Pachylaelapidae-D	ACAROIDEA
Dermanyssidae (s.st.)-D	Parasitidae-T,T",D	Acaridae-T,T",D
Digamasellidae-D	Parholaspidae-T,T",D	Carpoglyphidae-D
Epicriidae-D	Phytoseiidae-T,T",D	Glycyphagidae-D
Eviphididae-T,T",D		PSOROPTOIDEA
		Pyroglyphidae-D

89-Dr. M. Moritz, Museum für Naturkunde der Humboldt-Universität zu Berlin, Zoologisches Museum, DDR-104 Berlin, Invalidenstrasse 43, Deutsche Demokratische Republik.

Parasitiformes	EYLAOIDEA	6*Teutoniidae-T,D
GAMASINA	6*Eylaidea-T,D	6*Torrenticolidae-T,D
1*Halarachnidae-T	6*Limnocharidae-T,D	HYGROBATOIDEA
2,3,4,5*IXODOIDEA	HYDRYPHANTOIDEA	6*Feltriidae-T,D
Argasidae-T,D	6*Hydrodromidae-T,D	6*Hygrobatidae-T,D
Ixodidae-T,D	6*Hydryphantidae-T,D	6*Limnesiidae-T,D
HALACAROIDEA	6*Thyasidae-T,D	6*Pionidae-T,D
1*Halacaridae-T,D	LEBETRIOIDEA	6*Unionicolidae-T,D
6*Hydrachnellae	6*Lebertiidae-T,D	ATUROIDEA
HYDRACHNAE	6*Oxidae-T,D	6*Axonopsidae-T,D
6*Hydrachnidae-T,D	6*Sperchonidae-T,D	ARRENUROIDEA
		6*Arrenuridae-T,D

1* = Lohman Collection.
2* = Schulze Collection.
3* = Dönitz Collection.

4* = C.L. Koch Collection.
5* = Karsch Collection.
6* = Koenike Collection.

90-Dr. Dietrich Teschner, Zoologisches Institut der Technischen Universität Carolo-Wilhelmina, Pockelstrasse 10a, 33 Braunschweig, Germany.

HALACAROIDEA
Halacaridae-D,U

91-Dr. Anita Hoffmann-Sandoval, Facultad de Ciencias, Universidad Nacional Autónoma de México, México 20, D.F., México

Parasitiformes	TARSONEMOIDEA	ERYTHRAEOIDEA
SEJINA	Pyemotidae-U	Erythraeidae-T,U
Uropodellidae-U	Tarsonemidae-D	Smaridiidae-U
GAMASINA-U	ANYSTOIDEA	TROMBIDIOIDEA
Ascidae-U	Anystidae-U	Trombiculidae-T,T",D,U
Dermanyssidae (s.st.)-D	Pterygosomidae-D,U	Trombidiidae-D,U
Haemogamasidae-D,U	BDELLOIDEA	Hydrachnellae-U
Halarachnidae-D	Bdellidae-D,U	Acaridei-U
Laelapidae-T,T",D,U	Cunaxidae-T",D,U	ANOETOIDEA
Macrochelidae-T,T",D,U	CHEYLETOIDEA	Anoetidae-D
Macronyssidae-D,U	Cheyletidae-T,D,U	ACAROIDEA
Parasitidae-D,U	Demodicidae-D	Acaridae-T",D,U
Rhinonyssidae-D,U	Myobiidae-T,D,U	Glycyphagidae-U
Spelaeorhynchidae-D	ERIOPHYOIDEA	LISTROPHOROIDEA
Spinturnicidae-T,D,U	Eriophyidae-D,U	Listrophoridae (s.sl.)-U
Zerconidae-U	EUPODOIDEA	Myocoptidae-D
UROPODINA-D,U	Eupodidae-U	PSOROPTOIDEA
ANTENNOPHORINA-U	Penthaleidae-T",D	Psoroptidae-D
Diplogyniidae-T,T",D,U	Rhagidiidae-D	ANALGOIDEA
Euzerconidae-U	LABIDOSTOMMOIDEA	Analgidae-U
Klinckostroemiidae-U	Labidostommidae-D,U	Proctophyllodidae-U
Megisthanidae-D	RAPHIGNATHOIDEA	SARCOPTOIDEA
IXODOIDEA	Raphignathidae-D,U	Sarcoptidae-D
Argasidae-T,D,U	TETRANYCHOIDEA	CYTODITOIDEA
Ixodidae-T",D,U	Tetranychidae-D,U	Laminosioptidae-D
Prostigmata-U	TYDEOIDEA	Oribatei-U
PACHYGNATHOIDEA	Ereynetidae-D	PHTHIRACAROIDEA
Pediculochelidae-U	Tydeidae-T",D,U	Phthiracaridae-U
		UNGROUPED FAMILIES
		Carabodidae-U

92-Dr. Carl Bader, Naturhistorisches Museum, CH-4051 Augustinergasse 2, Basel, Switzerland.

1*Mesostigmata	EUPODOIDEA	Piersigiidae-D
SEJINA	Eupodidae-T,D	Protziidae-T,D
Uropodellidae-T,D	Penthalodidae-T,D	HYDRYPHANTOIDEA
GAMASINA	Rhagidiidae-T,D,U	Hydrodromidae-T,D
Dermanyssidae (s.st.)-D	LABIDOSTOMMOIDEA	Hydryphantidae-T,D
Epicriidae-T,D	Labidostommidae-D	Thyasidae-T,D
Eviphididae-T,D	RAPHIGNATHOIDEA	LEBERTIOIDEA
Laelapidae-D	Raphignathidae-D	Lebertiidae-T,D
Macrochelidae-D	Stigmaeidae-D	Oxidae-D
Neoparasitidae-T,D	TETRANYCHOIDEA	Sperchonidae-T,D
Pachylaelapidae-T,D	Tetranychidae-D,U	Teutoniidae-D
Parasitidae-T,D	TYDEOIDEA	Torrenticolidae-T,D
Phytoseiidae-T,D	Ereynetidae-D	HYGROBATOIDEA
Rhodacaridae-T,D	Tydeidae-D	Feltriidae-T,D
Veigaiidae-T,D	ERYTHRAEOIDEA	Hygrobatidae-T,D
Zerconidae-T,D	Calyptostomidae-D	Limnesiidae-T,D
ANTENNOPHORINA	Erythraeidae-T,D,U	Pionidae-T,D
Fedrizzidae-D	Smaridiidae-D	Pontarachnidae-T,D
1*Prostigmata	TROMBIDIOIDEA	Unionicolidae-T,D
TARSONEMOIDEA	Johnstonianidae-T,D	ATUROIDEA
Pyemotidae-D	Trombiculidae-D	Aturidae-T,D
Scutacaridae-T,D	Trombidiidae-T,D,U	Axonopsidae-T,D
Tarsonemidae-D	2*Hydrachnellae	MIDEOPSOIDEA
ANYSTOIDEA	HYDROVOLZIOIDEA	Mideidae-D
Anystidae-D,U	Hydrovolziidae-T,D	Mideopsidae-D
Teneriffiidae-D	HYDRACHNOIDEA	Momoniidae-D
BDELLOIDEA	Hydrachnidae-T,D	Neoacaridae-D
Bdellidae-T,D,U	EYLAOIDEA	ACALYPTONOTOIDEA
Cunaxidae-D,U	Eylaidae-T,D	Acalyptonotidae-D
CAECULOIDEA	Limnocharidae-D	Athienemanniidae-D
Caeculidae-D		ARRENUROIDEA
		Arrenuridae-T,D

(Continued next page)

92-continued: Dr. Carl Bader, Naturhistorisches Museum, CH-4051 Augustinergasse 2, Basel, Switzerland.

Acaridei	Nothridae-D	PORONOTICAE
ACAROIDEA-D	Trhypochthoniidae-T,D	LOWER PLICATES
ANALGOIDEA-T",D	EREMAEOIDEA	Cymbaeremaeidae-T,D
SARCOPTOIDEA	Eremaeidae-D	Passalozetidae-D
1*Oribatei	PLATEREMAEOIDEA	Scutoverticidae-D
PARHYPOCHTHONIOIDEA	Gymnodamaeidae-D	Tectocephidae-D
Parhypochthoniidae-T,D	AMEROBELBOIDEA-T,D	HIGHER PLICATES
ENARTHRONOTA	Eremobelbidae-D	Achipteriidae-T,D
Brachychthoniidae-T,D	UNGROUPEF FAMILIES	APOPHEREDERMES
Hypochthoniidae-T,D	Caleremaeidae-D	Oribatellidae-D
PHTHIRACAROIDEA	Carabodidae-D	EXCENTROSCLEROSAE
Phthiracaridae-D	Cepheidae-T,D	Haplozetidae-D
LOHMANNIOIDEA	Ceratoppiidae-D	Oribatulidae-T,D
Eulohmanniidae-D	Liacaridae-T,D	MACROSCLEROSAE
NOTHROIDEA	Limnozetaidae-D	Ceratozetidae-T,D
Camisiidae-D	Oppiidae-D	Chamobatidae-D
Hermannidae-D	Otocephidae-D	Galumnidae-D
Malaconothridae-D	Suctobelbidae-D	Mycobatidae-T,D
Nanhermannidae-D		

*1 = J. Schweizer.

*2 = C. Walter.

93-Dr. Bernd Hauser, Department des Arthropodes, Museum d'Histoire Naturelle, CH-1211 Geneve 6, Switzerland.

Parasitiformes	Scutacaridae-T,T",D	CANESTRINOIDEA
GAMASINA-D	Hydrachnellae-D	Canestriniidae-D
UROPODINA	Acaridei	ACAROIDEA
IXODOIDEA-D	ANOETOIDEA	Acaridae-T,T",D
TARSONEMOIDEA	Anoetidae-T,T",D	Oribatei-T",D
Pyemotidae-T,T",D		

94-Dr. Donald M. Tuttle, University of Arizona, Yuma Branch Station, R.F.D. 1, Box 587, Yuma, Arizona 85364.

Parasitiformes	TARSONEMOIDEA	TETRANYCHOIDEA
SEJINA	Podapolipodidae-U	Tenuipalpidae-D
Uropodellidae-U	Pyemotidae-U	Tetranychidae-D
GAMASINA	Scutacaridae-U	Tuckerellidae-D
Ameroseiidae-U	Tarsonemidae-U	TYDEOIDEA
Ascidae-D,U	ANYSTOIDEA	Ereynetidae-U
Dermanyssidae (s.st.)-D,U	Anystidae-U	Nematalycidae-D
Haemogamasidae-U	Heterocheylidae-U	Tydeidae-U
Ixodorhynchidae-U	Pseudocheylidae-U	ERYTHRAEOIDEA
Laelapidae-D,U	BDELLOIDEA	Erythraeidae-U
Macrochelidae-D	Bdellidae-D,U	Smaridiidae-D
Macronyssidae-D	Cunaxidae-D,U	TROMBIDIOIDEA
Parasitidae-U	CAECULOIDEA	Trombiculidae-U
Phytoseiidae-D	Caeculidae-U	Trombidiidae-U
Veigaiidae-U	CHEYLETOIDEA	Acaridei
Zerconidae-U	Cheyletidae-D,U	ANOETOIDEA
DIARTHROPHALLINA	Cloacaridae-D	Anoetidae-D,U
Diarthrophallidae-U	ERIOPHYOIDEA	ACAROIDEA
ANTENNOPHORINA	Eriophyidae-D	Acaridae-D,U
Celaenopsidae-U	EUPODOIDEA	Carpoglyphidae-U
Euzerconidae-U	Eupodidae-U	Glycyphagidae-U
Megisthanidae-U	Penthaleidae-D	NOTHROIDEA
IXODIOIDEA	Penthalodidae-D	Camisiidae-U
Argasidae-D	Rhagidiidae-U	Hermannidae-U
Ixodidae-D	RAPHIGNATHOIDEA	APOPHEREDERMES
Endeostigmata	Caligonellidae-D,U	Oribatellidae-U
PACHYGNATHOIDEA	Eupalopsellidae-D	EXCENTROSCLEROSAE
Nanorchestidae-U	Neophyllobiidae-U	Oribatulidae-U
Pachygnathidae-U	Stigmaeidae-D,U	MACROSCLEROSAE
		Galumnidae-U

95-Dr. Tyler A. Woolley, Department of Zoology, Colorado State University, Fort Collins, Colorado 80521.

Parasitiformes	Raphignathidae-D,U	Hermannidae-D,U
SEJINA	Stigmaeidae-D,U	Malaconothridae-D,U
Sejidae-U	TETRANYCHOIDEA	Nanhermannidae-T",D,U
GAMASINA	Tetranychidae-D,U	Nothridae-T",D,U
Ascidae-T",U	Tuckerellidae-U	NEOLIODOIDEA
Haemogamasidae-D	TYDEOIDEA	Neoliodidae-T",D,U
Ixodorhynchidae-D	Erenyetidae-U	EREMAEOIDEA
Laelapidae-D	Tydeidae-U	Eremaeidae-T",D,U
Macrochelidae-D	ERYTHRAEOIDEA	HERMANIELLOIDEA
Parasitidae-D,U	Calyptostomidae-U	Hermannellidae-T",D,U
Parholaspidae-D,U	Erythraeidae-U	PLATEREMAEOIDEA
Phytoseiidae-D,U	Smaridiidae-U	Gymnodamaeidae-T",D,U
Rhinonyssidae-D,U	TROMBIDIOIDEA	Licnodamaeidae-T",D,U
Spinturnicidae-D,U	Trombiculidae-U	AMEROBELBOIDEA
Veigaiidae-D,U	Trombidiidae-U	Eremobelbidae-D,U
Zerconidae-D,U	Acaridei	Eremulidae-D,U
UROPODINA-D,U	ANOETOIDEA	UNGROUPED FAMILIES
ANTENNOPHORINA	Anoetidae-U	Astegistidae-D,U
Diplogyniidae-U	ACAROIDEA	Autogentidae-D,U
IXODOIDEA	Acaridae-U	Carabodidae-D,U
Ixodidae-D,U	Carpoglyphidae-U	Cepheidae-D,U
Endeostigmata	Glycyphagidae-U	Ceratoppiidae-D,U
PACHYGNATHOIDEA	Hyadesiidae-U	Damaeidae-D,U
Lordalychidae-U	LISTROPHOROIDEA	Eutegaeidae-T",D,U
TARSONEMOIDEA	Listrophoridae (s.sl.)-U	Gustaviidae-T",D,U
Pyemotidae-T",D	PSOROPTOIDEA	Hydrozetidae-T",D,U
Tarsonemidae-T",D	Psoroptidae-U	Liacaridae-T",D,U
ANYSTOIDEA	ANALGOIDEA	Microzetidae-T",D,U
Anystidae-U	Analidae-U	Oppiidae-T",D,U
Pterygosomidae-U	Proctophyllodidae-U	Peloppiidae-D,U
BDELLOIDEA	SARCOPTOIDEA	Suctobelbidae-T",D,U
Bdellidae-D,U	Knemidocoptidae-U	Tenuialidae-T",D,U
Cunaxidae-D	Sarcoptidae-U	PORONOTICAE
CAECULOIDEA	Oribatei	LOWER PLICATES
Caeculidae-U	PALEACAROIDEA	Ameronothridae-T",D,U
CHEYLETOIDEA	Acaronychidae-U	Charassobatidae-T",D,U
Cheyletidae-D,U	ENARTHRONOTA	Cymbaeremaeidae-T",D,U
Demodicidae-U	Brachychthoniidae-U	Passalozetidae-T",D,U
Harpyrhynchidae-U	Hypochothoniidae-D,U	Tectocephidae-T",D,U
Myobiidae-D,U	Sphaerochthoniidae-D	HIGHER PLICATES
Syringophilidae-D,U	MESOPLOPHOROIDEA	Achipteriidae-T",D,U
ERIOPHYOIDEA	Mesoplophoridae-D,U	Tegoribatidae-T",D,U
Eriophyidae-D,U	PHTHIRACAROIDEA	APOPHEREDERMES
EUPODOIDEA	Collohmanniidae-D,U	Oribatellidae-T",D,U
Eupodidae-U	Euphthiracaridae-T",D,U	EXCENTROSCLEROSAE
Rhagidiidae-U	Phthiracaridae-T",D,U	Haplozetidae-D,U
HALACAROIDEA	LOHMANNIOIDEA	Oribatulidae-T",D,U
Halacridae-D,U	Epilohmanniidae-D,U	Oripodidae-T",D,U
LABIDOSTOMMOIDEA	Eulohmanniidae-D,U	MACROSCLEROSAE
Labidostommidae-U	Lohmanniidae-D,U	Ceratozetidae-D,U
RAPHIGNATHOIDEA	Perlohmanniidae-D,U	Euzetidae-D,U
Caligonellidae-U	NOTHROIDEA	Galumnidae-D,U
Cryptognathidae-U	Camisiidae-T",D,U	

96-Dr. P. H. Vercammen-Grandjean, Research Parasitologist, 2062 20th Avenue, San Francisco, California, 94116.

ERYTHRAEOIDEA
 Calyptostomidae-D,U
 Erythraeidae-D,U
 Smaridiidae-D,U
 TROMBIDIOIDEA
 Trombiculidae-D,U
 Trombidiidae-D,U

97-Drs. F.M. Summers, M. Lavoipierre, E.W. Jameson, Jr., and Mr. R.O. Schuster, Department of Entomology, University of California, Davis, California 95616.

Parasitiformes	BDELLOIDEA	PSOROPTOIDEA
Mesostigmata-U	Bdellidae-D,U	Audycoptidae-T
SEJINA	Cunaxidae-D,U	Psoroptidae-D
Sejidae-U	CAECULOIDEA	Pyroglyphidae-U
GAMASINA	Caeculidae-U	ANALGOIDEA
Ascidae-D,U	CHEYLETOIDEA	Analgidae-U
Dermanyssidae (s.st.)-T",D,U	Cheyletidae-T,T",D,U	Proctophyllodidae-U
Digamasellidae-D,U	Myobiidae-T",D,U	SARCOPTOIDEA
Epicriidae-U	Syringophilidae-D	Knemidocoptidae-T",D
Eviphididae-D,U	ERIOPHYOIDEA	Sarcoptidae-T,T",D
Haemogamasidae-T",D,U	Eriophyidae-D,U	CYTODITOIDEA
Laelapidae-T,T",D,U	EUPODOIDEA	Cytoditidae-D
Macrochelidae-D,U	Eupodidae-U	Oribatei-U
Macronyssidae-T",D	Penthaleidae-D,U	PALEACAROIDEA-U
Neoparasitidae-D,U	Penthalodidae-D	ENARTHRONOTA
Pachylaelapidae-U	Rhagidiidae-U	Brachychthoniidae-D,U
Parasitidae-D,U	LABIDOSTOMMOIDEA	Hypochthoniidae-U
Parholaspidae-U	Labidostommidae-D,U	PHTHIRACAROIDEA
Phytoseiidae-T,T",D,U	RAPHIGNATHOIDEA	Phthiracaridae-U
Podocinidae-D,U	Caligonellidae-T",D,U	LOHMANNIOIDEA
Rhodacaridae-T,T",D,U	Cryptognathidae-T,T",D,U	Epilohmanniidae-U
Spinturnicidae-T",D,U	Eupalopsellidae-T,T",D	Eulohmanniidae-U
Veigaiidae-D,U	Pomerantziidae-U	Lohmanniidae-U
Zerconidae-U	Raphignathidae-D,U	NOTHROIDEA
UROPODINA-U	Stigmaeidae-T,T",D,U	Camisiidae-U
DIARTHROPHALLINA	Tarsocheylidae-U	Hermannidae-D,U
Diarthrophallidae-D,U	TETRANYCHOIDEA	Malaconothridae-U
ANTENNOPHORINA-U	Tenuipalpidae-T",D,U	Nanhermanniidae-U
Antennophoridae-U	Tetranychidae-T",D,U	Nothridae-U
Celaenopsidae-U	TYDEOIDEA	NEOLIODOIDEA
Cercomegistidae-U	Ereynetidae-U	Neoliodidae-U
Diplogyniidae-U	Paratydeidae-U	EREMAEOIDEA
Euzerconidae-U	Tydeidae-D,U	Eremaeidae-U
Hoplomegistidae-U	ERYTHRAEOIDEA	HERMANIELLOIDEA
Megisthanidae-U	Erythraeidae-U	Hermannelliidae-D,U
Paramegistidae-U	Smaridiidae-U	PLATEREMAEOIDEA
Schizogyniidae-U	TROMBIDIOIDEA	Plateremaeidae-U
IXODOIDEA	Johnstonianidae-U	UNGROUPED FAMILIES
Argasidae-D,U	Trombiculidae-D,U	Carabodidae-D,U
Ixodidae-D,U	Trombidiidae-D,U	Ceratoppiidae-D
Endeostigmata	Hydrachnellae-U	Damaeidae-U
PACHYGNATHOIDEA	HYDRYPHANTOIDEA	Gustaviidae-U
Alichorhagiidae-U	Clathrospherconidae-U	Liacaridae-U
Nanorchestidae-U	HYGROBATOIDEA	Peloppiidae-U
Pachygnathidae-U	Limnesiidae-U	Tenuialidae-D,U
Pediculochelidae-U	Unionicolidae-U	PORONOTICAE
Terpnacaridae-U	Acaridei	LOWER PLICATES
TARSONEMOIDEA	ANOETOIDEA	Cymbaeremaeidae-U
Podapolipodidae-D	Anoetidae-D,U	EXCENTROSCLEROSAE
Pyemotidae-D,U	CANESTRINOIDEA	Haplozetidae-U
Scutacaridae-D,U	Canestriniidae-T",U	Oribatulidae-U
Tarsonemidae-D,U	ACAROIDEA	Parakalummidae-U
ANYSTOIDEA	Acaridae-D,U	MACROSCLEROSAE
Anystidae-U	Chortoglyphidae-D	Ceratozetidae-U
Heterocheylidae-T,T",D,U	Glycyphagidae-D,U	Galumnidae-U
Pseudocheylidae-D,U	Hyadesiidae-U	
Pterygosomidae-T",D,U	Saproglyphidae-D,U	
Teneriffiidae-U	LISTROPHOROIDEA	
	Listrophoridae (s.sl.)-D,U	

98-Dr. Lewis J. Stannard, Illinois Natural History Survey, Natural Resources Building, Urbana, Illinois.

Opilioacariformes	Parasitiformes	Haemogamasidae-D,U
Opilioacaridae-U	GAMASINA	Laelapidae-D,U
	Dermanyssidae (s.st.)-D,U	Macrochelidae-D,U

(Continued next page)

98-continued: Dr. Lewis J. Stannard, Illinois Natural History Survey, Natural Resources Building, Urbana, Illinois 61801.

GAMASINA cont'd.	RAPHIGNATHOIDEA	ACAROIDEA
Neoparasitidae-U	Caligonellidae-U	Acaridae-D,U
Parasitidae-D,U	Raphignathidae-U	Carpoglyphidae-D,U
Phytoseiidae-D,U	Stigmaeidae-D,U	Fusacaridae-D,U
Podocinidae-U	TETRANYCHOIDEA	Glycyphagidae-D,U
Rhinonyssidae-D,U	Tetranychidae-D,U	LISTROPHOROIDEA
Spinturnicidae-D,U	Tuckerellidae-D,U	Listrophoridae (s.sl.)-U
Zerconidae-U	TYDEOIDEA	PSOROPTOIDEA
UROPODINA-U	Ereynetidae-U	Psoroptidae-D,U
ANTENNOPHORINA-U	Tydeidae-U	ANALGOIDEA
IXODOIDEA	ERYTHRAEOIDEA	Analidae-D,U
Argasidae-D	Erythraeidae-U	Dermoglyphidae-D,U
Ixodidae-D	Smaridiidae-U	Proctophyllodidae-D,U
Endeostigmata	TROMBIDIOIDEA	SARCOPTOIDEA
PACHYGNATHOIDEA-U	Trombiculidae-D,U	Knemidocoptidae-D,U
TARSONEMOIDEA	Trombidiidae-U	Sarcoptidae-D,U
Podapolipodidae-T,D	Hydrachnellae	*Oribatei-U
Pyemotidae-D,U	HYDRACHNOIDEA	ENARTHRONOTA
Scutacaridae-D,U	Hydrachnidae-T",D,U	Hypochthoniidae-U
Tarsonemidae-D,U	EYLAOIDEA	PHTHIRACAROIDEA
ANYSTOIDEA	Eylaidae-D,U	Phthiracaridae-T"
Anystidae-U	Limnocharidae-D,U	LOHMANNIOIDEA
BDELLOIDEA	Piersigiidae-D,U	Lohmanniidae-U
Bdellidae-U	HYDRYPHANTOIDEA	NOTHROIDEA
Cunaxidae-U	Hydryphantidae-U	Camisiidae-U
CAECULOIDEA	Thyasidae-U	Hermannidae-D
Caeculidae-U	LEBERTIOIDEA	EREMAEOIDEA
CHEYLETOIDEA	Sperchonidae-D,U	Eremaeidae-U
Cheyletidae-D,U	HYGROBATOIDEA	UNGROUPED FAMILIES
Demodicidae-D	Hygrobatidae-D,U	Peloppiidae-D
Myobiidae-D	Limnesiidae-D,U	Tenuialidae-T"
Psorergatidae-D	Pionidae-D,U	AOPHEREDERMES
ERIOPHYOIDEA	Unionicolidae-D,U	Oribatellidae-U
Eriophyidae-D,U	MIDEOPSOIDEA	EXCENTROSCLEROSAE
EUPODOIDEA	Mideidae-U	Oribatulidae-U
Eupodidae-D,U	ARRENUROIDEA	MACROSCLEROSAE
Penthaleidae-D,U	Arrenuridae-D,U	Ceratozetidae-U
Rhagidiidae-U	Acaridei	Galumnidae-U
LABIDOSTOMMOIDEA	ANOETOIDEA	
Labidostommidae-U	Anoetidae-U	

* H.E. Ewing Collection, in part.

99-Dr. Richard C. Funk, Spooner Museum, Department of Zoology, Eastern Illinois University, Charleston, Illinois 61920.

DIARTHROPHALLINA	Euzerconidae-T",D,U
Diarthrophallidae-U	Fedrizzidae-U
ANTENNOPHORINA	Hoplomegistidae-U
Celaenopsidae-T",D,U	Klinckostroemiidae-U
Diplogyniidae-T",D,U	Megisthanidae-U
	Schizogyniidae-T",D,U

100-Dr. Richard J. Elzinga, Department of Entomology, Kansas State University, Manhattan, Kansas 66502.

Parasitiformes	ANTENNOPHORINA	BDELLOIDEA
GAMASINA	Paramegistidae-D	Bdellidae-U
Ascidae-D	Parantennulidae-D	CHEYLETOIDEA
Haemogamasidae-D	IXODOIDEA	Myobiidae-T",D
Laelapidae-U	Ixodidae-D	LISTROPHOROIDEA
Neoparasitidae-U	TARSONEMOIDEA	Listrophoridae (s.sl.)-D
UROPODINA-T",D,U	Podapolipodidae-D	Mycoptidae-D
	Pyemotidae-D	

101-Dr. Robert Traub, Department of Microbiology, University of Maryland School of Medicine, 660 W. Redwood Street, Baltimore, Maryland 21201.

Parasitengona
TROMBIDIOIDEA
Trombiculidae-T",D,U

102-Dr. William B. Nutting, Zoology Department, University of Massachusetts, Amherst, Massachusetts 01002.

Promata
CHEYLETOIDEA
Demodicidae-T,T",D,U

103-Dr. Robert M. Crowell, Department of Biology, St. Lawrence University, Canton, New York 13617.

Hydrachnellae	Hydryphantidae-T,D,U	Limnesiidae-U
HYDRACHNOIDEA	Thyasidae-D,U	Pionidae-T,U
Hydrachnidae-T,U	LEBERTIOIDEA	Unionicolidae-U
EYLAOIDEA	Oxidae-U	ATUROIDEA
Limnocharidae-D,U	Sperchonidae-U	Axonopsidae-U
HYDRYPHANTOIDEA	Torrenticolidae-T,D,U	ARRENUROIDEA
Hydrodromidae-D,U	HYGROBATOIDEA	Arrenuridae-U
	Hygrobatidae-U	

104-Dr. G.W. Krantz, Department of Entomology, Oregon State University, Corvallis, Oregon 97331.

Opilioacariformes	ANTENNOPHORINA	Demodicidae-D
Opilioacaridae-U	Antennophoridae-D	Harpyrhynchidae-D
Parasitiformes	Celaenopsidae-U	Myobiidae-D
HOLOTHYRINA	Cercomegistidae-U	Psorergatidae-D
Holothyridae-U	Diplogyniidae-T",D,U	Syringophilidae-D
SEJINA	Euzerconidae-D,U	ERIOPHYOIDEA
Sejidae-D,U	Fedrizzidae-U	Eriophyidae-D,U
Uropodellidae-D, U	Hoplomegistidae-U	EUPODOIDEA
GAMASINA	Klinckostroemiidae-U	Eupodidae-D,U
Ameroseiidae-D,U	Megisthanidae-D	Penthaleidae-D
Arctacaridae-U	Paramegistidae-D	Penthalodidae-D
Ascidae-T",D,U	Parantennulidae-D	Rhagidiidae-U
Dermanyssidae (s.st.)-T",D	IXODOIDEA	HALACAROIDEA
Entonyssidae-D	Argasidae-D	Halacaridae-T",D,U
Epicriidae-D,U	Ixodidae-D	LABIDOSTOMMOIDEA
Eviphididae-T",D,U	Endeostigmata	Labidostommidae-D,U
Haemogamasidae-D	PACHYGNATHOIDEA	RAPHIGNATHOIDEA
Halarachnidae-D	Lordalychidae-U	Caligonellidae-U
Halolaelapidae-U	Nanorchestidae-U	Cryptognathidae-T",D,U
Heterozerconidae-U	Pachygnathidae-D,U	Eupalopsellidae-U
Ixodorhynchidae-D	TARSONEMOIDEA	Neophyllobiidae-U
Laelapidae-T",D,U	Podapolipodidae-D	Raphignathidae-D,U
Macrochelidae-T",D,U	Pyemotidae-T",D,U	Stigmaeidae-D,U
Macronyssidae-D,U	Scutacaridae-U	Tarsocheylidae-D
Microgyniidae-T",D,U	Tarsonemidae-D,U	TETRANYCHOIDEA
Otopheidomenidae-T",D,U	ANYSTOIDEA	Tenuipalpidae-D,U
Pachylaelapidae-U	Anystidae-D,U	Tetranychidae-D,U
Parasitidae-D,U	Heterocheylidae-D	Tuckerellidae-D
Parholaspidae-T",D,U	Pseudocheylidae-D	TYDEOIDEA
Phytoseiidae-D,U	Pterygosomidae-D	Ereynetidae-D,U
Podocinidae-D,U	Teneriffiidae-U	Paratydeidae-U
Rhinonyssidae-D,U	BDELLOIDEA	Tydeidae-D,U
Rhodacaridae-D,U	Bdellidae-D,U	ERYTHRAEOIDEA
Spelaeorhynchidae-D	Cunaxidae-D,U	Calyptostomidae-U
Spinturnicidae-D,U	CAECULOIDEA	Erythraeidae-D,U
Veigaiidae-D,U	Caeculidae-D	Smaridiidae-U
Zerconidae-D,U	CHEYLETOIDEA	TROMBIDIOIDEA
DIARTHROPHALLINA	Cheyletidae-D,U	Johnstonianidae-U
Diarthrophallidae-D	Cloacaridae-D	Trombiculidae-D,U
		Trombidiidae-D,U

(Continued next page)

104-continued: Dr. G.W. Krantz, Department of Entomology, Oregon State University, Corvallis, Oregon 97331.

Hydrachnellae
HYDROVOLZIOIDEA
Hydrovolziidae-D
EYLAOIDEA
Eylaidae-D
Piersigiidae-D
Protziidae-D
HYDRYPHANTOIDEA
Thyasidae-D
LEBERTIOIDEA
Lebertiidae-D
Sperchonidae-D
HYGROBATOIDEA
Hygrobatidae-D
Pionidae-D
Pontarachnidae-D
Unionicolidae-D
ARRENUROIDEA
Arrenuridae-D
Acaridei
ANOETOIDEA
Anoetidae-D,U
CANESTRINOIDEA
Canestriniidae-U
Hemisarcoptidae-D
ACAROIDEA
Acaridae-D,U
Carpoglyphidae-D
Chaetodactylidae-D
Chortoglyphidae-D
Ctenoglyphidae-D
Ewingidae-D
Fusacaridae-D
Glycyphagidae-D,U
Hyadesiidae-U
Labidophoridae-D,U
Saproglyphidae-D,U

LISTROPHOROIDEA
Listrophoridae (s.sl.)-U
Myocoptidae-D
PSOROPTOIDEA
Psoroptidae-D
Pyroglyphidae-D
ANALGOIDEA
Analidae-U
Dermoglyphidae-U
Epidermoptidae-U
Freyanidae-U
Proctophyllodidae-U
Turbinoptidae-D
SARCOPTOIDEA
Knemidocoptidae-D
Sarcoptidae-D
CYTODITOIDEA
Cytoditidae-D
Oribatei-U
PALEACAROIDEA
Acaronycidae-U
Ctenacaridae-U
Paleacaridae-D,U
PARHYPOCHTHONIOIDEA
Parhypochthoniidae-U
ENARTHRONOTA
Brachychthoniidae-D
Hypochthoniidae-D
MESOPLOPHOROIDEA
Mesoplophoridae-U
PHTHIRACAROIDEA
Euphthiracaridae-U
Phthiracaridae-D,U
LOHMANNIOIDEA
Epilohmanniidae-D
Eulohmanniidae-D
Lohmanniidae-D,U
Perlohmanniidae-U

NOTHROIDEA
Camisiidae-U
Hermannidae-D,U
Malaconothridae-U
Nanhermannidae-U
Nothridae-D
NEOLIOIDOIDEA
Neoliodidae-U
EREMAEOIDEA
Eremaeidae-U
HERMANIELLOIDEA
Hermannelliidae-U
PLATEREMAEOIDEA
Plateremaeidae-U
AMEROBELBOIDEA
Eremobelbidae-D
UNGROUPED FAMILIES
Carabodidae-U
Cepheidae-U
Damaeidae-U
Gustaviidae-U
Liacaridae-U
Oppiidae-D,U
Peloppiidae-U
Tenuialidae-D,U
PORONOTICAE
LOWER PLICATES
Cymbaeremaeidae-U
Tectocephidae-D
HIGHER PLICATES
Achipteridae-U
APOPHEREDERMES
Oribatellidae-U
EXCENTROSCLEROSAE
Haplozetidae-U
Oribatulidae-U
MACROSCLEROSAE
Ceratozetidae-U
Galumnidae-D,U

105-Dr. W. Wayne Moss, Chairman Department of Entomology, Academy of Natural Sciences, 19th & Parkway, Philadelphia, Pennsylvania 19103.

Parasitiformes
SEJINA
Sejidae-U
GAMASINA
Ameroseiidae-U
Arctacaridae-U
Asciidae-U
Dermanyssidae (s.st.)-T,U
Eviphididae-U
Haemogamasidae-U
Ixodorrhynchidae-U
Laelapidae-U
Macrochelidae-U
Macronyssidae-U
Parasitidae-U
Parholaspidae-U
Phytoseiidae-U
Podocinidae-U
Rhinonyssidae-U
Rhodacaridae-U
Spinturnicidae-U
Veigaiidae-U
Zerconidae-U

UROPODINA-U
DIATRHOPHALLINA
Diarthrophallidae-U
ANTENNOPHORINA
Diplogyniidae-U
Euzerconidae-U
Parantennulidae-U
IXODOIDEA
Argasidae-U
Ixodidae-U
Endeostigmata
PACHYGNATHOIDEA
Lordalychidae-U
Nanorchestidae-U
Pachygnathidae-U
TARSONEMOIDEA
Podapolipodidae-U
Pyemotidae-U
Scutacaridae-U
Tarsonemidae-U
ANYSTOIDEA
Anystidae-U

Heterocheylidae-U
Pseudocheylidae-U
Pterygosomidae-U
BDELLOIDEA
Bdellidae-U
Cunaxidae-U
CHEYLETOIDEA
Cheyletidae-U
Harpyrhynchidae-T,U
Myobiidae-U
Syringophilidae-U
ERIOPHYOIDEA
Eriophyidae-U
EUPODOIDEA
Eupodidae-U
Rhagidiidae-U
HALACAROIDEA
Halacaridae-U
RAPHIGNATHOIDEA
Neophyllobiidae-U
Raphignathidae-U
Stigmaeidae-U

(Continued next page)

105-continued: Dr. W. Wayne Moss, Chairman Department of Entomology, Academy of Natural Sciences,
19th & Parkway, Philadelphia, Pennsylvania 19103.

TETRANYCHOIDEA	Acaridei	Oribatei
Tenuipalpidae-U	ANOETOIDEA	ENARTHRONOTA
Tetranychidae-U	Anoetidae-U	Brachychthoniidae-U
TYDEOIDEA	ACAROIDEA	Hypochthoniidae-U
Ereynetidae-U	Acaridae-U	LOHMANNIOIDEA
Tydeidae-U	Chaetodactylidae-U	Epilohmanniidae-U
ERYTHRAEOIDEA	Glycyphagidae-U	Lohmanniidae-U
Calyptostomidae-U	LISTROPHOROIDEA	NOTHROIDEA
Erythraeidae-U	Listrophoridae (s.sl.)-U	Camisiidae-U
Smaridiidae-U	PSOROPTOIDEA	Trhypochthoniidae-U
TROMBIDIOIDEA	Psoroptidae-U	UNGROUPEF FAMILIES
Johnstonianidae-U	ANALGOIDEA	Carabodidae-U
Trombiculidae-U	Analgidae-U	Oppiidae-U
Trombidiidae-U	Dermoglyphidae-U	PORONOTICAE
Hydrachnellae	Epidermoptidae-U	HIGHER PLICATES
HYDRACHNOIDEA	Freyanidae-U	Phenopelopidae-U
Hydrachnidae-U	Proctophyllodidae-U	MACROSCLEROSAE
HYGROBATOIDEA	SARCOPTOIDEA	Galumnidae-U
Limnesiidae-U	Sarcoptidae-U	
Pionidae-U		

106-Dr. B. McDaniel, Department of Entomology and Zoology, South Dakota State University, Brookings,
South Dakota 57006.

Parasitiformes	Scutacaridae-D	Hydrachnellae
GAMASINA	Tarsonemidae-D,U	HYDRACHNOIDEA
Ascidae-U	ANYSTOIDEA	Hydrachnidae-U
Dermanyssidae (s.st.)-D,U	Pseudocheyleidae-D,U	Acaridei
Ixodorhynchidae-D	BDELLOIDEA	CANESTRINOIDEA
Laelapidae-D,U	Bdellidae-U	Canestriniidae-T",D
Macrochelidae-D,U	CHEYLETOIDEA	ACAROIDEA
Macronyssidae-U	Cheyletidae-D,U	Acaridae-D,U
Neoparasitidae-U	Demodicidae-D,U	Carpoglyphidae-D,U
Parasitidae-D,U	Myobiidae-T",D,U	Glycyphagidae-D,U
Phytoseiidae-U	Syringophilidae-T",D,U	Labidophoridae-D,U
Rhinonyssidae-U	ERIOPHYOIDEA	Rosensteiniidae-T",D
Spelaeorhynchidae-D	Eriophyidae-D,U	LISTROPHOROIDEA
Spinturnicidae-D,U	TETRANYCHOIDEA	Listrophoridae (s.sl.)-T,T",D,U
Veigaiidae-U	Tenuipalpidae-U	Myocoptidae-D,U
Zerconidae-U	Tetranychidae-D,U	PSOROPTOIDEA
UROPODINA-U	TYDEOIDEA	Psoroptidae-D
ANTENNOPHORINA	Ereynetidae-U	ANALGOIDEA
Euzerconidae-U	Tydeidae-U	Analgidae-T,T",D,U
IXODOIDEA	ERYTHRAEOIDEA	Dermoglyphidae-T,T",D,U
Argasidae-D	Erythraeidae-U	Epidermoptidae-T,T",D,U
Ixodidae-D	TROMBIDIOIDEA	Freyanidae-T",D,U
TARSONEMOIDEA	Trombiculidae-D,U	Proctophylloidsidae-T",D,U
Podapolipodidae-T",D	Trombidiidae-D,U	SARCOPTOIDEA
Pyemotidae-D		Sarcoptidae-D,U
		Oribatei Circumdehiscentiae-U

107-Dr. Donald M. Allred, Department of Zoology, 788 Widb., Brigham Young University, Provo, Utah 84601.

Parasitiformes	Macrochelidae-D,U	UROPODINA-U
GAMASINA-D,U	Macronyssidae-D,U	DIARTHROPHALLINA
Ameroseiidae-U	Neoparasitidae-U	Diarthrophallidae-U
Ascidae-U	Pachylaelapidae-U	ANTENNOPHORINA
Dermanyssidae (s.st.)-T,T",D,U	Parasitidae-U	Diplogyniidae-U
Entonyssidae-U	Phytoseiidae-D,U	Megisthanidae-U
Haemogamasidae-T",D,U	Rhinonyssidae-D,U	IXODOIDEA
Iphiopsidae-U	Spinturnicidae-D,U	Argasidae-T",D,U
Ixodorhynchidae-U	Veigaiidae-U	Ixodidae-D,U
Laelapidae-T,T",D,U	Zerconidae-U	

(Continued next page)

107-continued: Dr. Donald M. Allred, Department of Zoology, 788 Widd., Brigham Young University, Provo, Utah 84601.

Endeostigmata	RAPHIGNATHOIDEA	ANALGOIDEA
PACHYGNATHOIDEA	Cryptognathidae-U	Analgidae-D,U
Alichorhagiidae-U	Neophyllobiidae-U	Dermoglyphidae-D,U
Nanorchestidae-U	Raphignathidae-U	Epidermoptidae-U
Pachygnathidae-U	TETRANYCHOIDEA	Freyanidae-U
Pediculochelidae-U	Tenuipalpidae-U	Proctophyllodidae-T",D,U
Sphaerolichidae-U	Tetranychidae-D,U	SARCOPTOIDEA
TARSONEMOIDEA	TYDEOIDEA	Sarcoptidae-U
Pyemotidae-U	Paratydeidae-U	Oribatei
Scutacaridae-U	Tydeidae-D,U	PALEACAROIDEA
Tarsonemidae-D,U	ERYTHRAEOIDEA	Paleacaridae-U
ANYSTOIDEA	Erythraeidae-D,U	ENARTHRONOTA
Anystidae-U	Smaridiidae-U	Hypochthoniidae-U
Pterygosomidae-D,U	TROMBIDIOIDEA	Sphaerochthoniidae-U
Teneriffiidae-U	Trombiculidae-T,T",D,U	PHTHIRACAROIDEA
BDELLOIDEA	Trombidiidae-U	Phthiracaridae-U
Bdellidae-D,U	Hydrachnellae	LOHMANNIOIDEA
Cunaxidae-U	HYDRACHNOIDEA	Lohmanniidae-U
CAECULOIDEA	Hydrachnidae-D,U	NOTHROIDEA
Caeculidae-U	EYLAOIDEA	Camisiidae-U
CHEYLETOIDEA	Eylaidae-D,U	EREMAEOIDEA
Cheyletidae-U	LEBERTIOIDEA	Eremaeidae-U
Harpyrhynchidae-U	Anisitsiellidae-D,U	UNGROUPED FAMILIES
Myobiidae-D,U	Lebertiidae-D,U	Carabodidae-U
Ophioptidae-T,T",D	HYGROBATOIDEA	Liacaridae-U
ERIOPHYOIDEA	Hygrobatidae-D,U	PORONOTICAE
Eriophyidae-U	Pionidae-D,U	LOWER PLICATES
EUPODOIDEA	Acaridei	Cybaeremaeidae-U
Eupodidae-U	ACAROIDEA	APOPHEREDERMES
Rhagidiidae-U	Acaridae-D,U	Oribatellidae-U
HALACAROIDEA	Ewingidae-D,U	EXCENTROSCLEROSAE
Halacaridae-U	Glycyphagidae-U	Oribatulidae-U
LABIDOSTOMMOIDEA	LISTROPHOROIDEA	Oripodidae-U
Labidostommidae-U	Listrophoridae (s.sl.)-D,U	MACROSCLEROSAE
		Ceratozetidae-U
		Galumnidae-U

108-Dr. Daniel E. Sonenshine, Department of Biology, Old Dominion College, Norfolk, Virginia 23508.

Parasitiformes	Spinturnicidae-D	BDELLOIDEA
SEJINA	Veigaiidae-D	Bdellidae-D
Sejidae-D	Zerconidae-D	CHEYLETOIDEA
Uropodellidae-D	UROPODINA-D	Cheyletidae-D
GAMASINA	DIARTHROPHALLINA	Demodicidae-D
Ameroseiidae-D	Diarthrophallidae-D	Syringophilidae-D
Arctacaridae-D	ANTENNOPHORINA	EUPODOIDEA
Ascidae-D	Diplogyniidae-D	Rhagidiidae-D
Dermanyssidae (s.st.)-D	Euzerconidae-D	LABIDOSTOMMOIDEA
Digamasellidae-D	Fedrizzidae-D	Labidostommidae-D
Entonyssidae-D	Parantennulidae-D	TROMBIDIOIDEA
Epicriidae-D	IXODOIDEA	Trombiculidae-D
Eviphididae-D	Argasidae-D	Hydrachnellae
Haemogamasidae-D	Ixodidae-D	HYDRACHNOIDEA
Halarachnidae-D	Endeostigmata	Hydrachnidae-D
Ixodorhynchidae-D	PACHYGNATHOIDEA	Acaridei
Laelapidae-D	Alichorhagiidae-D	ACAROIDEA
Macrochelidae-D	Lordolychidae-D	Acaridae-D
Macronyssidae-D	Nanorchestidae-D	Chortoglyphidae-D
Pachylaelapidae-D	Pachygnathidae-D	Saproglyphidae-D
Parasitidae-D	Pediculochelidae-D	LISTROPHOROIDEA
Parholaspidae-D	Sphaerolichidae-D	Myocoptidae-D
Phytoseiidae-D	Terpnacaridae-D	PSOROPTOIDEA
Podocinidae-D	TARSONEMOIDEA	Psoroptidae-D
Rhodacaridae-D	Pyemotidae-D	

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108-continued: Dr. Daniel E. Sonenshine, Department of Biology, Old Dominion College, Norfolk, Virginia 23508.

ANALGOIDEA	ENARTHRONOTA	Damaeidae-D
Analgidae-D	Hypochthoniidae-D	Opiidae-D
Proctophyllodidae-D	PHTHIRACAROIDEA	Peloppiidae-D
SARCOPTOIDEA	Phthiracaridae-D	PORONOTICAE
Sarcoptidae-D,U	LOHMANNIOIDEA	APOPHEREDERMES
Oribatei	Perlohmanniidae-D	Oribatellidae-D
PALEACAROIDEA	NOTHROIDEA	EXCENTROSCLEROSAE
Acaronychidae-D	Hermannidae-D	Oribatulidae-D
Ctenacaridae-D	Nothridae-D	MACROSCLEROSAE
Paleacaridae-D	UNGROUPED FAMILIES	Galumnidae-D
	Cepheidae-D	

109-Dr. R.L. Heinemann, Department of Natural Sciences, Longwood College, Farmville, Virginia 23901.

Acaridei
ANOETOIDEA
 *Anoetidae-T",D,U

- - - - -
* = R.D. Hughes Collection.

110-Drs. H. Hoogstraal and M.N. Kaiser, Department of Medical Zoology, U.S. Naval Medical Research Unit Number 3, Fleet Post Office, New York, 09527.

IXODOIDEA
 Argasidae-D
 Ixodidae-T",D

111-Dr. L. van der Hammen, Rijksmuseum van Natuurlijke Historie, Raamsteeg 2, Leiden, Netherlands.

Parasitiformes	*Hoplomegistidae-D	HALACAROIDEA
GAMASINA	*Megisthanidae-D	*Halacaridae-T,T",D
*Ameroseiidae-D	IXODOIDEA	LABIDOSTOMMOIDEA
*Ascidae-D,U	*Argasidae-D	*Labidostommidae-D
*Dermanyssidae (s.st.)-T,T",D	*Ixodidae-D,U	RAPHIGNATHOIDEA
*Discozerconidae-D	Endeostigmata	*Cryptognathidae-D,U
*Epicriidae-D,U	PACHYGNATHOIDEA	*Homocaligidae-D,U
*Eviphididae-D,U	*Pachygnathidae-T,T",D	*Raphignathidae-D
*Haemogamasidae-D	TARSONEMOIDEA	*Stigmaeidae-T,T",D,U
*Halarachnidae-D,U	*Podapolipodidae-D	TETRANYCHOIDEA
*Halolaelapidae-D	*Pyemotidae-D,U	*Tenuipalpidae-D,U
*Heterozerconidae-D,U	*Scutacaridae-D,U	*Tetranychidae-D,U
*Ixodorhynchidae-D	*Tarsonemidae-T,T",D,U	TYDEOIDEA
*Laelapidae-T,T",D,U	ANYSTOIDEA	*Ereynetidae-D,U
*Macrochelidae-T,T",D	*Anystidae-D,U	*Tydeidae-T,T",D,U
*Macronyssidae-D,U	*Teneriffiidae-D,U	ERYTHRAEOIDEA
*Neoparasitidae-D	BDELLOIDEA	*Calypstomidae-D
*Pachylaelapidae-D	*Bdellidae-D,U	*Erythraeidae-T,T",D,U
*Parasitidae-T,T",D,U	*Cunaxidae-D,U	*Samaridiidae-T,T",D,U
*Phytoseiidae-T,T",D,U	CAECULOIDEA	TROMBIDIOIDEA
*Podocinidae-D	*Caeculidae-D	*Johnstonianidae-D
*Railletidae-U	CHEYLETOIDEA	*Trombiculidae-T,T",D,U
*Rhinonyssidae-D,U	*Cheyletidae-T,T",D,U	*Trombidiidae-T,T",D,U
*Rhodacaridae-D,U	*Demodicidae-D	Hydrachnellae
*Spinturnicidae-D	*Myobiidae-D,U	HYDRACHNOIDEA
*Veigaiidae-D,U	*Psorergatidae-D	*Hydrachnidae-D,U
*Zerconidae-D	ERIOPHYOIDEA	EYLAOIDEA
UROPODINA-T,T",D,U	*Eriophyidae-T,T",D,U	*Eylaidae-D,U
ANTENNOPHORINA	EUPODOIDEA	HYDRYPHANTOIDEA
*Antennophoridae-D	*Eupodidae-T,T",D,U	*Hydryphantidae-D,U
*Calaenopsidae-T,T",D	*Penthaleidae-D,U	*Thyasidae-D
*Euzerconidae-D	*Penthalodidae-D	LEBERTIOIDEA
*Fedrizziidae-T,T",D	*Rhagidiidae-T,T",D,U	*Lebertiidae-D

(Continued next page)

111-continued: Dr. L. van der Hammen, Rijksmuseum van Natuurlijke Historie, Raamsteeg 2, Leiden, Netherlands.

*Oxidae-D	ANALGOIDEA	AMEROBELBOIDEA
*Sperchonidae-D	*Analgidae-T,T",D,U	*Ameridae-D
*Teutoniidae-D	*Dermoglyphidae-T,T",D,U	UNGROUPED FAMILIES
HYGROBATOIDEA	*Epidermoptidae-D,U	*Astegistidae-T"
*Hygrobatidae-D	*Freyanidae-T,T",D,U	*Carabodidae-D,U
*Limnesiidae-D,U	*Proctophyllodidae-T,T",D,U	*Cepheidae-D
*Pionidae-D,U	SARCOPTOIDEA	*Ceratoppiidae-D
*Unionicolidae-D,U	*Knemidocoptidae-D	*Damaeidae-D
ATUROIDEA	*Sarcoptidae-D	*Gustaviidae-D
*Axonopsidae-D	CYTODITOIDEA	*Hydrozetidae-D
MIDEOPSOIDEA	*Cytoditidae-D	*Liacaridae-D,U
*Mideidae-U	Oribatei	*Oppiidae-D,U
*Mideopsidae-D	ENARTHRONOTA	*Peloppiidae-D
ARRENUROIDEA	*Brachychthoniidae-D	*Suctobelbidae-D
*Arrenuridae-D	*Cosmochthoniidae-D	*Tenuialidae-D
Acaridei	*Hypochthoniidae-D	PORONOTICAE
ANOETOIDEA	PHTHIRACAROIDEA	LOWER PLICATES
*Anoetidae-T,T",D	*Phthiracaridae-D	*Ameronothridae-D
CANESTRINOIDEA	LOHMANNIOIDEA	*Cymbaeremaeidae-D
*Canestriniidae-D	*Epilohmanniidae-D	*Micreremidae-D
ACAROIDEA	NOTHROIDEA	*Scutoverticidae-D
*Acaridae-D	*Camisiidae-D	APOPHEREDERMES
*Carpoglyphidae-D	*Hermannidae-D	*Oribatellidae-D
*Chaetodactylidae-D	*Malaconothridae-D	EXCENTROSCLEROSAE
*Chortoglyphidae-D	*Nanhermanniidae-D	*Oribatulidae-D
*Ctenoglyphidae-D	*Nothridae-D	*Sellnickiidae-T,T",D
*Glycyphagidae-D	*Trhypochthoniidae-D	MACROSCLEROSAE
*Labidophoridae-D	NEOLIODOIDEA	*Ceratozetidae-D
*Rosensteiniidae-D	*Neoliodidae-D	*Chamobatidae-D
*Saproglyphidae-D	ZETORCHESTOIDEA	*Euzetidae-D
LISTROPHOROIDEA	*Zetorchestidae-D	*Galumnidae-D
*Listrophoridae (s.sl.)-D,U	EREMAEOIDEA	*Mycobatidae-D
*Myocoptidae-U	*Eremaeidae-D	
PSOROPTOIDEA	PLATEREMAEOIDEA	
*Psoroptidae-D	Liodidae-D	

* = A.C. Oudemans Collection.

112-Dr. Herbert W. Levi, Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts 02138.

1*Mesostigmata-D	ANYSTOIDEA	ERYTHRAEOIDEA
SEJINA	1*Anystidae-T	1*Erythraeidae-T,T"
1*Sejidae-T	1*Pterygosomidae-T	1*Smaridiidae-T,T"
GAMASINA	BDELLOIDEA	TROMBIDIOIDEA
2*Ascidae-T,T"	1*Bdellidae-T,T"	1*Trombiculidae-T,T"
1*Halarachnidae-T,D	1*Cunaxidae-T	1*Trombidiidae-T,T",D
1*Laelapidae-T,T",D	CAECULOIDEA	Hydrachnellae
1,3*Macrochelidae-T,T",D	1,5*Caeculidae-T,T"	HYGROBATOIDEA
1,3*Macronyssidae-T,T",D	CHEYLETOIDEA	6*Unionicolidae-T"
1*Parasitidae-T	1*Cheyletidae-T	ARRENURAE
2*Phytoseiidae-T,T"	1*Myobiidae-T,T"	7*Arrenuridae-T"
1*Spinturnicidae-T	ERIOPHYOIDEA	1*Acaridei-D
1*UROPODINA-T,T"	1*Eriophyidae-T	CANESTRINOIDEA
ANTENNOPHORINA	EUPODOIDEA	1*Canestriniidae-T
1*Antennophoridae-T,D	1*Eupodidae-T	ACAROIDEA
1*Celaenopsidae-T	LABIDOSTOMMOIDEA	1*Acaridae-T
1*Megisthanidae-T	1*Labidostommidae-D	1*Glycyphagidae-T",D
IXODOIDEA	RAPHIGNATHOIDEA	8*Hypoderidae-T"
1,4*Argasidae-T,T"	1*Caligonellidae-T"	LISTROPHOROIDEA
1,4*Ixodidae-T,T"	1*Raphignathidae-T	1>Listrophoridae (s.sl.)-T
1*Prostigmata-D	1*Stigmaeidae-T,D	ANALGOIDEA
TARSONEMOIDEA	TETRANYCHOIDEA	1*Epidermoptidae-T
1*Pyemotidae-T,T",D	1*Tenuipalpidae-T	1*Proctophyllodidae-T,T"
1*Scutacaridae-T	1,3*Tetranychidae-T,T",D	
1*Tarsonemidae-T		

(Continued next page)

112-continued: Dr. Herbert W. Levi, Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts 02138.

CYTODITOIDEA	NEOLIODOIDEA	1*Oppiidae-T,T"
1*Cytoditidae-T"	1,5*Neoliodidae-T,T"	5*Peloppiidae-T,T"
1*Oribatei-D	EREMAEOIDEA	5*Suctobelbidae-T,T"
PHTHIRACAROIDEA	1*Eremaeidae-T,T"	PORONOTICAE
5*Ephthiracaridae-T	PLATEREMAEOIDEA	LOWER PLICATES
3,5*Phthiracaridae-T,T"	1*Gymnodamaeidae-T	1*Scutoverticidae-T,T"
LOHMANNIOIDEA	UNGROUPED FAMILIES	APOPHEREDERMES
1*Epilohmanniidae-T	1*Carabodidae-T,T"	1,5*Oribatellidae-T,T"
1*Lohmanniidae-T,T"	1,5*Cepheidae-T,T"	EXCENTROSCLEROSAE
NOTHROIDEA	5*Ceratoppiidae-T	1,5*Haplozetidae-T,T"
5*Camisiidae-T	1*Damaeidae-T	1,5*Parakalummidae-T,T",D
5*Hermannidae-T,T"	1,5*Liacaridae-T,T"	MACROSCLEROSAE
1*Nothridae-T,T",D	5*Microzetidae-T	1,5*Ceratozetidae-T,T"
		1,5*Galumnidae-T

-
- *1 = Banks Collection.
 - *2 = De Leon Collection.
 - *3 = Ewing Collection, in part.
 - *4 = Bequaert Collection.
 - *5 = Jacot Collection, in part.
 - *6 = Wolcott Collection, in part.
 - *7 = Marshall Collection, in part.
 - *8 = Murray Collection, in part.

DETAILED INFORMATION WAS NOT AVAILABLE FOR COLLECTIONS 113 through 186. ENTRIES FOR THESE COLLECTIONS ARE BASED ON DATA SUPPLIED BY ACAROLOGISTS IN ACAROLOGISTS OF THE WORLD, IX ed.

113-Dr. F.H.S. Roberts, Veterinary Parasitology Laboratory, C.S.I.R.O. Fairfield Road, Yeerongpilly, Queensland, Australia.

IXODOIDEA

114-Dr. R. V. Southcott, 2 Taylors Road, Mitcham 5062, South Australia.

ERYTHRAEOIDEA TROMBIDIOIDEA

115-Dr. Pierre L.G. Benoit, Department of Invertebrates, Musee Royal de l'Afrique Centrale, Tervuren, Belgium.

*African parasitic Mesostigmata

*The Museum is a major type depository for acarine material of African origin.

116-Dr. Jean Cooreman, Section d'Entomologie, Institut Royal des Sciences Naturelles de Belgique, 31 rue Vautier, Bruxelles 4, Belgium.

*Acari diversi

*The Museum is a major type depository for acarine material.

117-Dr. Alex Fain, Institut de Medicine Tropicale, 155 rue Nationale, Antwerp, Belgium.

Parasitic acarina

118-Dr. Herbert Franzoni Berla, Museu Nacional, Rio de Janeiro, GB, Brazil.

ANALGOIDEA

119-Dr. Maria Kolebinova, Zoological Institute of Bulgarian Academy of Sciences, Bul. Ruski 1, Sofia, Bulgaria.

Trombiculidae

120-Dr. Ivan Vassilev, Institut Zoologique et Musee, Bld. Ruski 1, Sofia, Bulgaria.

ANALGOIDEA

121-Dr. Vera Halaskova, Zoologicky ustav University Karlovy, Vinicna 7, Prague 2, Czechoslovakia.

Mesostigmata
TARSONEMOIDEA

122-Dr. Miroslav Kunst, Zoologicky ustav University Karlovy, Vinicna 7, Prague 2, Czechoslovakia.

Oribatei

123-Dr. Milan Mrciak, Department of Zoology of Comenius University, Moskovska ul. 2, Bratislava, Czechoslovakia.

Mesostigmata
TROMBIDIOIDEA
Trombiculidae

124-Dr. Marie Hammer, Roland, Fredensborg, Denmark.

Oribatei

125-Dr. Donald A. Griffith, Agricultural Research Council, Pest Infestation Laboratory, London Road, Slough, Bucks, England.

Stored products mites.

126-Dr. A. Margaret Hughes, Cox Green Cottage, Cox Green, Rudgwick nr. Horsham, Sussex, England.

Stored products mites.

127-Dr. Paul W. Murphy, University of Nottingham School of Agriculture, Sutton Bonington, Loughborough, Leicestershire, England.

Oribatei

128-Dr. Eero Karppinen, Zoological Museum of the University of Helsinki, P.-Rautatiekatu 13, Helsinki, Finland.

Oribatei

129-Dr. Eugene Angelier, Laboratoire de Zoologie, Faculte des Sciences, 118 route de Narbonne, Toulouse, France.

HALACAROIDEA
Halacaridae
Hydrachnellae

130-François Grandjean historical collection, see # 133, page 72, Dr. Vachon, Museum National d'Histoire Naturelle, Laboratoire de Zoologie, Arthropodes, 61, rue de Buffon, Paris 5, France.

Oribatei
Acari diversi

131-Dr. Jean-Claude Lions, Biologie Generale, Faculte des Sciences de Marseille, 1 Place Victor Hugo, 13, Marseille (3), France.

Oribatei

132-Dr. Pierre Claud Morel, Institut d'Elevage et de Medicine Veterinaire de Pays Tropicaux, 10, rue Pierre Curie, 94-Maisons-Alfort, France.

IXODOIDEA

133-Dr. Max Vachon and Mr. Michael Henri Naudo, Museum National d'Histoire Naturelle, Laboratoire de Zoologie, Arthropodes, 61, rue de Buffon, Paris 5, France. See also # 130, page 71, F. Grandjean collection.

*Acari diversi

- - - - -

*The Museum is a major type depository for acarine material.

134-Dr. Amedee Rambier, 4 rue du Lierre, 34 Montpellier, France.

Mesostigmata
Phytoseiidae
ERIOPHYOIDEA
TETRANYCHOIDEA

135-Dr. W. Besch, Landesstelle fur Gewasserkunde, Hebelstrasse 2, 75 Karlsruhe, Germany.

Hydrachnellae

136-Dr. Werner Hirschmann, 851 Furth i.B., AM Kavierlin 26, German Democratic Republic.

*Parasitiformes
*Oribatei

- - - - -

* Including C. Willman Collection

137-Dr. W. Knulle, Institut fur Angewandte Zoologie der Frieien Universitat Berlin, 1 Berlin 41 (West) Haderslebener Str. 9, Germany.

Oribatei

138-Dr. Herbert Krczal, Biologische Bundesanstalt fur land und Forstwirtschaft, Institut fur Obstkrankheiten, Postfach 269, 69 Heidelberg, Germany.

TARSONEMOIDEA
Pyemotidae

139-Dr. Konrad Märkel, Zoologisches Institut der Techn. Hochschule, 61 Darmstadt, West Germany.

Oribatei

140-Dr. Hans-Gerd Menke, Richard Strauss - Weg 3, 294 Wilhelmshaven, Germany.

Oribatei

141-Dr. Paul Munchberg, Windmuhlenweg 93, 477 Soest (Westf.), Germany.

Hydrachnellae

142-Dr. Ludwig Schaarschmidt, Buchenrain 138, 732 Goppingen-Ursenwang, Germany.

TARSONEMOIDEA
Tarsonemidae

143-Drs. J. Balough and Csiszar, Etovos Lorand Tudomanyegystem, Allatrendszertani Tanszek, Puskin u. 3, Budapest, VIII, Hungary.

TARSONEMOIDEA
Tarsonemidae
Oribatei

144-L. Szalay historical collection, see # 23, page 35, Dr. S. Mahunka, Zoologische Abteilung des Ungarischen National-Museums, Baross u. 13, Budapest VIII, Hungary.

HALACAROIDEA
Halacaridae
Hydrachnellae

145-Dr. D. Bal, Department of Zoology, Institute of Science, Bombay, India.

Mesostigmata

146-Dr. Sampurno Kadarsan, Director, Museum Zoologicum Bogoriensis, Djalan Djuanda, Bogor, Java, Indonesia.

IXODOIDEA

147-Dr. Michael Costa, Kibbutz Mishmar Haemek, Israel.

Mesostigmata

148-Dr. O. Theodor, Department of Parasitology, Medical School, Hadassah-Hebrew University, P.O.B. 1172,

IXODOIDEA
Argasidae

149-Dr. Fausta Pegazzano, Istituto Sperimentale per la Zoologia Agraria, Via Lanciola, Cascine del Riccio, 50125, Firenze, Italia.

*Acari diversi

- - - - -

* = Antonio Berlese Collection.

150-Dr. Antonio Valle, Piazza Cittadella, 22 Bergamo, Italy.

Parasitiformes - free living species.

151-Dr. Jun-ichi Aoki, Department of Zoology, National Science Museum, Ueno Park, Tokyo, Japan

Mesostigmata - free living species
Oribatei

152-Dr. Taiji Imamura, Department of Biology, Ibaraki University, Mito, Japan.

HALACAROIDEA
Halacaridae
Hydrachnellae

153-Dr. Kenjiro Kawashima, Department of Parasitology, Faculty of Medicine, Kyushu University, Fukuoka, Japan.

Parasitic acarina: Mesostigmata
Trombiculidae
Acaridei

154-Dr. Hans Mori, Hokkaido University, Sapporo, Japan.

Mesostigmata
Phytoseiidae
TETRANYCHOIDEA
Tetranychidae

155-Dr. Manabu Sasa, Department of Parasitology, Institute for Infectious Diseases, University of Tokyo, Shirokanedaimachi, Minatoku, Tokyo, Japan.

Parasitic mesostigmata: TROMBIDIOIDEA
Trombiculidae

156-Dr. Tohru Uchida, 2182-1 Izumi, Komae-shi, Tokyo, Japan.

Hydrachnellae

157-Dr. G. L. van Eynhoven, Instituut voor Taxonomische Zoology, Plantage Middenlaan 64, Amsterdam-1004, Netherlands.

*Acaridiversi
**Rhinonyssidae and agricultural acarina

- - - - -

* = Museum Collection.
** = Personal Collection.

158-Dr. Jan Boczek, Rakowiecka 8, SGGW, Warsaw 12, Poland.

ERIOPHYOIDEA
Stored products mites

159-Dr. W. Micherdzinski, Zoological Museum, Jagellonian University, Krupnicza 50, Krakow, Poland.

Mesostigmata
Parasitidae

160-Dr. Eligiusz Pieczynski, Institute of Ecology, Polish Academy of Sciences, Nowy Swiat 72, Warsaw, Poland.

Hydrachnellae

161-Dr. Constantin Motas, Institutul de Speologie al Academiei R.S. Romane, Str. Dr. Capsa 8, Bucharest 35, Romania.

HALACAROIDEA
Halacaridae
Hydrachnellae

162-Dr. Jane B. Walker, 53 Buffels Road, Rietondale, Pretoria, South Africa.

IXODOIDEA
Ixodidae: Rhipicephalus

163-Dr. F.K.E. Zumpt, South African Institute for Medical Research, P.O. Box 1038, Johannesburg, South Africa.

Parasitic acarina

164-Dr. Gustave Mathys, Direction de l'O.E.P.P., 1 rue le Notre, 75016, Paris, France.

Mesostigmata
Phytoseiidae
TETRANYCHOIDEA
Tetranychidae

165-Dr. Herbert Habeeb, 217 Golden West Boulevard, Ojai, California, 93023.

Hydrachnellae

166-Dr. Kerwin E. Hyland, Department of Zoology, University of Rhode Island, Kingston, Rhode Island 02881.

Mesostigmata
Rhinonyssidae
TROMBIDIOIDEA
Trombiculidae

167-Dr. R. W. Strandtmann, Department of Biology, Texas Technological College, Lubbock, Texas.

Parasitic Mesostigmata
Antarctic Prostigmata

168-Dr. James L. Wilson, University of Tennessee, Nashville Center, 810 Broadway, Nashville, Tennessee 37203.

Hydrachnellae

169-Dr. A. T. Bagdasarian, Institute of Zoology, Academy of Sciences of Armenian S.S.R., Gastello Street, Erevan 14, Armenia, U.S.S.R.

ERIOPHYOIDEA
TETRANYCHOIDEA
Tetranychidae

170-Dr. Nina G. Bregetova, Zoological Institute of the Academy of Sciences of the U.S.S.R., Leningrad B-164, U.S.S.R.

Parasitic mesostigmata

171-Dr. E. M. Bulanova-Zachvatkina, Katedra Entomologi Faculty of Biology and Soil Science, Moscow State University, Moscow W-234, U.S.S.R.

Soil Prostigmata
Oribatei

172-Dr. H. V. Dubinina, Zoological Institute of the Academy of Sciences, Leningrad B-164, U.S.S.R.

LISTROPHOROIDEA

173-Dr. N. A. Filippova, Zoological Institute of the Academy of Sciences, Leningrad B-164, U.S.S.R.

IXODOIDEA

174-Dr. I. G. Galuzo, Institute of Zoology, Academy of Sciences of Kazakh S.S.R., Alma-Ata, 65, U.S.S.R.

IXODOIDEA

175-Dr. I. V. Nikitina, Department of Medical Entomology of the Institute of Medical Parasitology and Tropical Medicine, U.S.S.R. Ministry of Public Health, M. Pirogowskaja 20, Moscow G-435, U.S.S.R.

IXODOIDEA

Ixodidae: Dermacentor

176-Dr. I. I. Nikolaeva, Zoological Institute of the Academy of Sciences, Leningrad B-164, U.S.S.R.

Mesostigmata
Speleognathidae
TETRANYCHOIDEA
Tetranychidae

177-Dr. A. D. Petrova, Lomonosov State University, Faculty of Biology and Soil Science, Moscow, V-234, U.S.S.R.

IXODOIDEA

178-Dr. M. V. Pospelova-Shtrom, Entomological Section, Institute of Malaria and Medical Parasitology, Varshavskoe shosse 5, Moscow W-105, U.S.S.R.

IXODOIDEA

179-Dr. Hans F. Reck, Institute of Zoology, Academy of Sciences of Georgian S.S.R., I. Chavchavadze Avenue 31, Tiflis 30, Georgia, U.S.S.R.

TETRANYCHOIDEA

180-Dr. E. G. Schulger, Institut Gamalei, Academy Med. Nauk, Parasitological Section, ul. Gamalei 2, Moscow D-182, U.S.S.R.

ERYTHRAEOIDEA
Erythraeidae
TROMBIDIOIDEA
Trombiculidae

181-Dr. V. G. Shevtshenko, Biology Faculty, Leningrad State University, Leningrad B-164, U.S.S.R.

ERIOPHYOIDEA

182-Dr. L. G. Sitnikova, Zoological Institute of the Academy of Sciences, Leningrad B-164, U.S.S.R.

Oribatei

183-Dr. V. I. Volgin, Zoological Institute of the Academy of Sciences, Leningrad B-164, U.S.S.R.

CHEYLETOIDEA
ACAROIDEA

184-Dr. B.A. Wainstein, P.O. Borok, Nekouz, Yaroslavl, U.S.S.R.

Mesostigmata
Phytoseiidae
TETRANYCHOIDEA
Tenuipalpidae
Tetranychidae
Hydrachnellae

185-Dr. A. A. Zemskaya, The Gamaleya Institute of Epidemiology and Microbiology, U.S.S.R., AMS, Department of Natural Foci Infections, Gamaleya str. 18, Moscow D-98, U.S.S.R.

Parasitiformes

186-Dr. C. E. Machado-Allison, Department of Microbiology and Parasitology, Escuela de Biología, Universidad Central de Venezuela, Caracas, Venezuela.

Parasitic mesostigmata

187-Director, the South African Museum, P. O. Box 61, Capetown, Republic of South Africa.

IXODOIDEA

Nuttalliellidae-T

188-Dr. Carlos Pérez-Iñigo, Instituto Español de Entomología, Calle de J. Guitiérrez Abascal, 2, Madrid (6) Spain.

Mesostigmata	Oribatei Circumdehiscentiae	Microzetidae-D
GAMASINA-U	NEOLIODOIDEA	Opiidae-T,D,U
Prostigmata-U	Neoliodidae-D	Otocephidae-T
Acaridei-U	ZETORCHESTOIDEA	Suctobelbidae-D
Oribatei	Zetorchestidae-D	Thyrisomidae-D
Oribatei Inferiores	EREMAEOIDEA	Trizetidae-D
PALEACAROIDEA	Eremaeidae-T,D	PORONOTICAE
Ctenacaridae-D	HERMANIELLOIDEA	LOWER PLICATES
ENARTHRONOTA	Hermanniellidae-D	Ameronothridae-D
Brachychthoniidae-D	PLATEREMAEOIDEA	Cymbaeremaeidae-D
Cosmochthoniidae-D	Licnobelbidae-T	Micreremidae-D
Hypochthoniidae-D	Licnodamaeidae-D	Passalozetidae-T,D
Sphaerochthoniidae-D	AMEROBELBOIDEA	Scutoverticidae-D
PHTHIRACAROIDEA	Ameridae-U	Tectocephidae-D
Euphthiracaridae-T,D	Amerobelbidae-D	HIGHER PLICATES
Phthiracaridae-T,D	Ctenobelbidae-D	Achipteriidae-T
LOHMANNIOIDEA	Damaeolidae-D	Phenopelopidae-T,D
Epilohmanniidae-D	Eremulidae-D	APOPHEREDERMES
Lohmanniidae-T,D	UNGROUPED FAMILIES	Oribatellidae-T,D
NOTHROIDEA	Autogentidae-T	EXCENTROSCLEROSAE
Camisiidae-T,D	Caleremaeidae-D	Haplozetidae-T,D
Hermanniidae-D	Carabodidae-T,D	Oribatulidae-T,D
Malaconothridae-D	Cepheidae-D	Parakalummidae-T
Nanhermanniidae-D	Ceratoppiidae-D	MACROSCLEROSAE
Nothridae-D	Damaeidae-T,D	Ceratozetidae-T,D
Trhypochthoniidae-D	Dampfiellidae-U	Chamobatidae-D
	Gustaviidae-T,D	Euzetidae-D
	Hydrozetidae-D	Galumnidae-T,D
	Liacaridae-T,D	Mycobatidae-T,D
	Limnozetaeidae-D	

189-Dr. David Barr, Department of Entomology and Invertebrate Zoology, Royal Ontario Museum, 100 Queen's Park, Toronto, Ontario M5S 2C6, Canada.

Hydrachnellae

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